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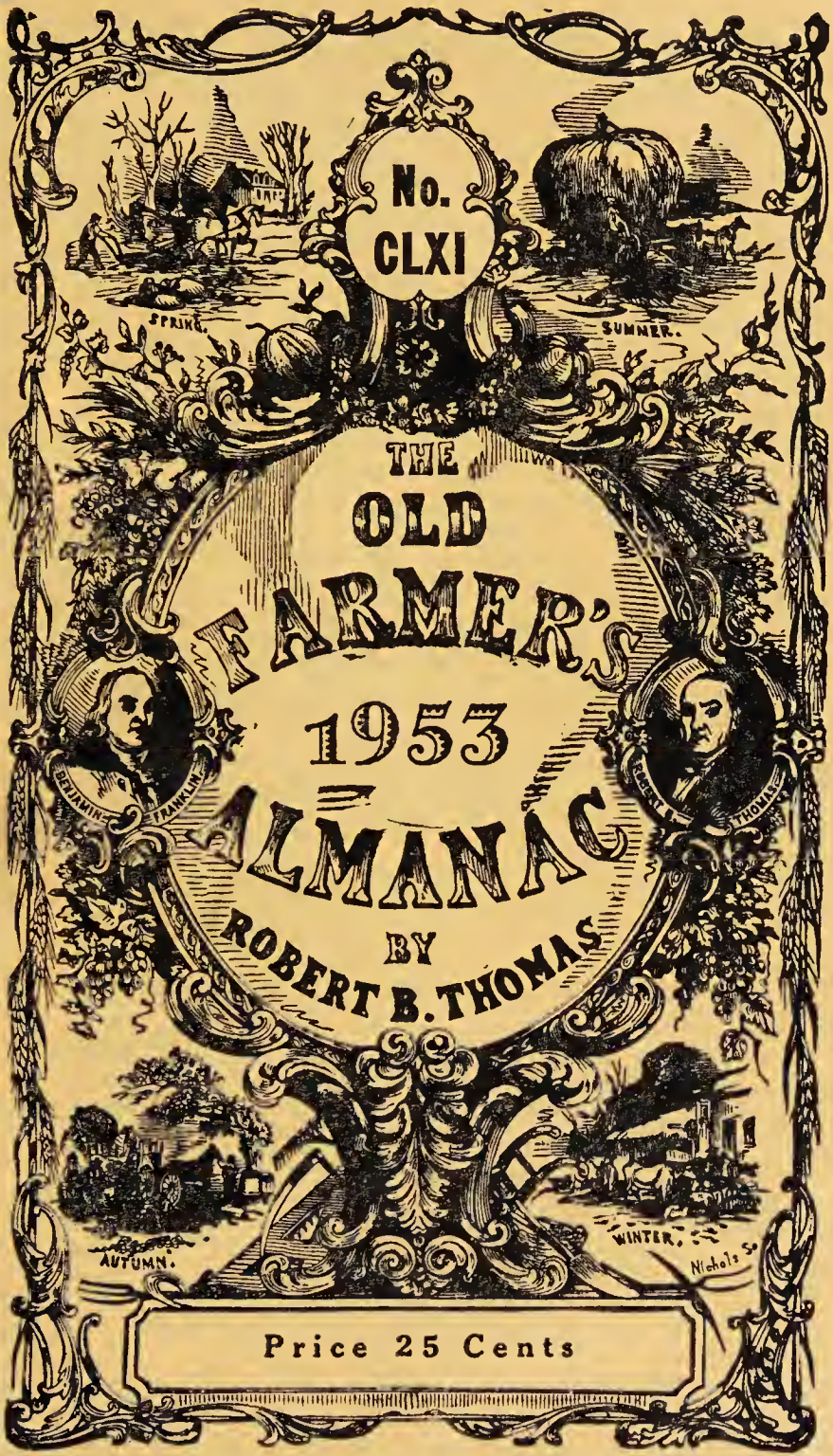
AY81 .F306 1953

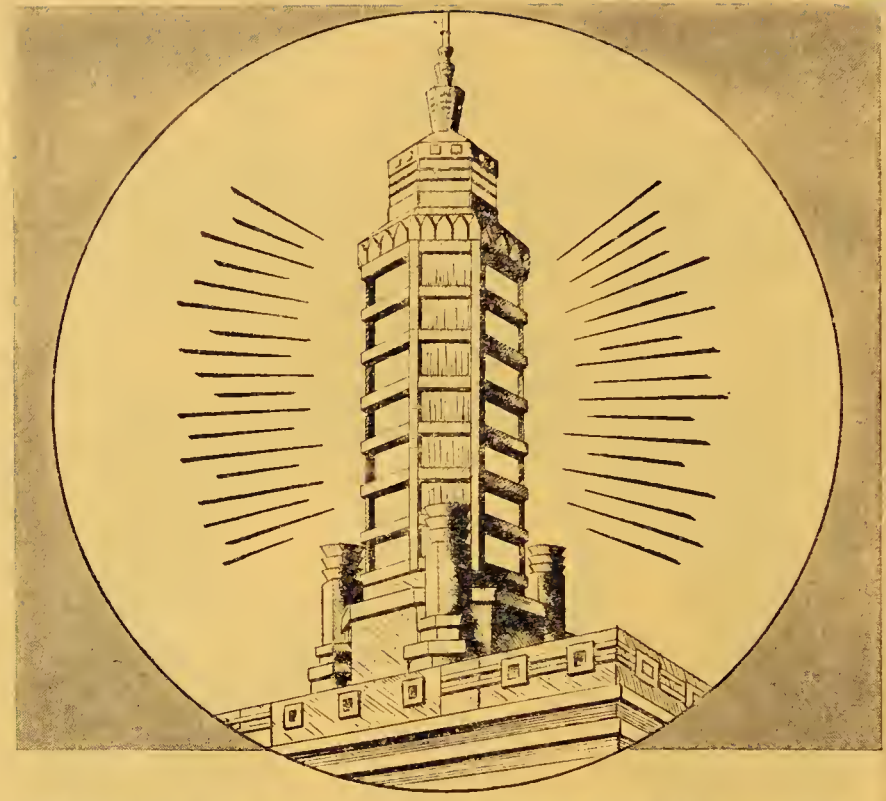
The 161st Continuous Year of Publication



Price 25 Cents

THIS IS THE ORIGINAL ROBT. B. THOMAS FARMER'S ALMANAC FIRST ISSUED IN 1792 FOR THE YEAR 1793.

Weather Forecast, Planting Tables.



BOSTON'S WEATHER BEACON

If you are in the vicinity of Boston
If you are wondering about the weather
If an official forecast would help

Take a look at the lights in Hancock Tower.
They give you the latest forecast received
every six hours direct from the U. S. Weather Bureau.

To read the weather light forecast remember the weather light rhyme

BLUE	RED
Steady blue, clear view	Steady red, rains ahead
Flashing blue, clouds due	Flashing red, snow instead

John Hancock
MUTUAL LIFE INSURANCE COMPANY
BOSTON, MASSACHUSETTS

Photo by R. S.

MID-WINTER LUNCH HOUR.

High atop Mt. Bromley at Peru, Vermont a skiing couple relax to enjoy the view, the sun, and each other's company.

Tele-photo by R.S.

LUSHNESS OF SUMMER.

Summer has laid a lush carpet of many greens all around Mt. Monadnock in Southern New Hampshire, bejewelled with ponds and lakes. Mist is rising from Dublin Lake near base of mountain.

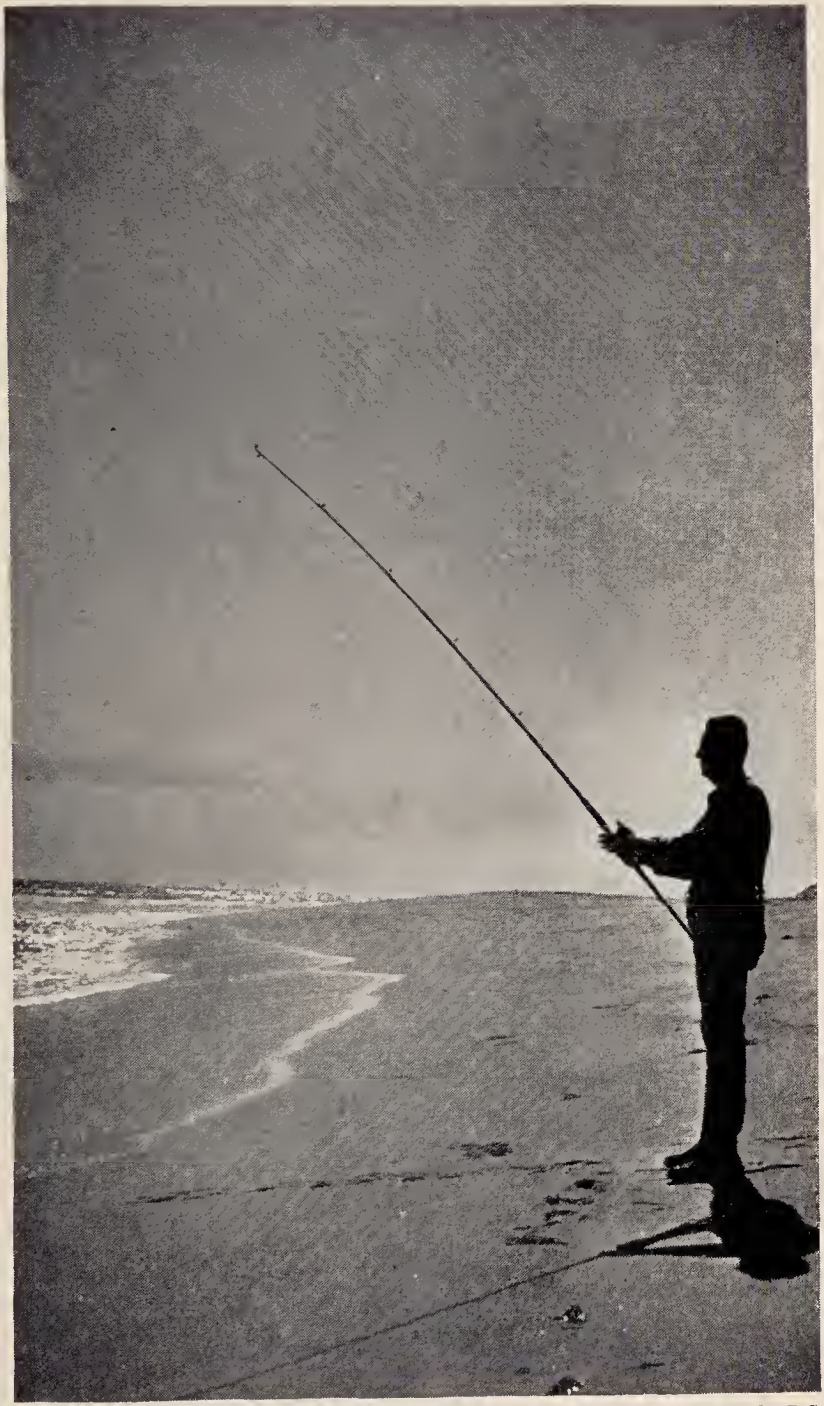


Photo by R.S.

OCEAN GRAB BAG.

Cape Cod fisherman on the outer beach from Provincetown to Orleans. Flounder was his catch this day.

Photo by R. Estes.

THE AMERICAN WAY.

Children of displaced persons learn the American three R's at the "distribution center" near Baldwinsville, Massachusetts.

Number One Hundred and Sixty-one.

THE
(OLD)

FARMER'S ALMANACK,

CALCULATED ON A NEW AND IMPROVED PLAN
FOR THE YEAR OF OUR LORD

1953

Being 1st after BISSEXTILE or LEAP YEAR, and (until July 4) 177th year of American Independence

FITTED FOR BOSTON, AND THE NEW ENGLAND STATES, WITH SPECIAL CORRECTIONS AND CALCULATIONS TO ANSWER FOR ALL THE UNITED STATES.

Containing, besides the large number of Astronomical Calculations and the Farmer's Calendar for every month in the year, a variety of

NEW, USEFUL, AND ENTERTAINING MATTER.

ESTABLISHED IN 1792

BY ROBERT B. THOMAS.

Dirty days has September,
April, June and November;
From January up to May,
The rain it raineth, every day;

All the rest have thirty-one,
Without a blessed gleam of sun;
And if any of them had two and thirty
They'd be just as wet and twice as dirty.

Old Maine Weather Verse

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ROBERT HAYNES, MRS. ALTON P. SWAN,
DR. EUGENE L. SWAN
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AND BRANCHES

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TO PATRONS & CORRESPONDENTS

This is the 161st consecutive annual edition of The Old Farmer's Almanac(k). It is for the year 1953, or Atomic Year 9. More copies have been printed than in any year of its long history. As these words are being printed we have, as a free people, elected a new President. We dedicate to him our full loyalty and support.

Even since a year ago, we have become more realistic in our attempts to contain—to cut down the size of war—rather to expect anything more of wholesale conflagration than destruction for all. In this, we have cause to be grateful.

On the other hand, it is time to call a halt to the entertainment of the one-world and space-world "probabilities and feasibilities" of the imaginative and scientific among us, unless and until constitutional and economic harnesses have been fitted to them. Balanced budgets, child education, employment, individual and national privacy and mutual respect are just some of the fronts which must be advanced, (and not allowed to become pockets through which we might lose all), at the same time that progress in the control of the weather (see page 75), of space ships (see page 76), of atomic power, and of other fields is made. Emotion and hallucination, beyond control of reason and practicality, were ever signs of the madness visited by God upon those He would destroy.

As in other years, David Morton (now a teacher of poetry to men and women in our Armed Forces) prepared the calendar page poetry; Benjamin M. Rice of Peterborough, New Hampshire, has written the Farm Calendars, and much else of the text; Loriug Andrews, the astronomical matter; Abraham Weatherwise, the weather. Many governmental, quasi-public, and private sources have been drawn upon as well. Your particular attention is invited to a careful study of the many symbols and abbreviations and correction tables (see pages 11, 100-105) used in this Almanac(k). Fully understood, the nature of the knowledgeable universe in this year of our Lord, 1953, remains in our many thousands of calculations, within these pages—and your grasp.

Mrs. D. K., Albany, N. Y.: Request for free copies of this Almanac should always be accompanied by 25c. Mr. R. D., New York City: You are correct when you say the predictious of Woolly Bear Caterpillars and the noises of Pink Elephants are both but measures of urban alcoholism. Miss E. T., Conshohocken, Pa.: We would suggest the best way for you to keep bats from flying into your barn attic through the open window would be to close the window. Mrs. M. M., Houston, Texas: You will find nothing in this Almanac or elsewhere which will help you to understand moderu painting or why your husband puts on his socks before he dons his uudershirt. Mr. A. C., Bangor, Maine: Certainly not! On the other haud, marriages are like oysters in that you never can tell the bad ones until after they have been swallowed. D. G., Newark, N. J.: This Almanac was known as The Farmer's Almanac some years before the one you refer to began publication. The word "Old" was added to its title to distinguish it from imitations, the editors of which find no apparent advantage in similar distinguishing identification of their product.

In conclusion, it is beyond our capacity to deliver adequately our full thanks to the very many whose interest continues in the welfare of this publication. We trust our efforts in this direction may continue to deserve your past and present confidence. Man, however, in these things can only propose. God is the true disposer. In this then it is by our works and not our words we would be judged. These we hope will sustain us in the humble, though proud, station we have so long held, in the name of

Your ob'd servant,

June 15, 1952

Robt. B. Thomas.

America's Finest

Full Quarts
32 ounces

Clicquot Club

PALE DRY GINGER ALE
GOLDEN GINGER ALE
SPARKLING WATER
COLA · ROOT BEER
VINEYARD PUNCH
LEMON AND LIME
ORANGE SODA
TOM COLLINS MIX
LIME RICKEY
BLACK CHERRY

ECLIPSES FOR THE YEAR 1953

There will be five eclipses during 1953, three of the Sun and two of the Moon, of which only the eclipses of the Moon on January 29 and July 26 will be visible from parts of the United States.

I. **A Total Eclipse of the Moon,** January 29, 1953. The beginning of the eclipse will be visible generally in Asia, the extreme northwestern part of Australia, the Indian Ocean, Europe, Africa, the Atlantic Ocean, Arctic regions, the northeastern part of North America and the eastern part of South America. The ending will be visible generally in western Asia, the western part of the Indian Ocean, Europe, Africa, the Arctic regions, Atlantic Ocean, North America except the extreme northwestern part, South America, and the southeastern part of the Pacific Ocean.

Observers in the eastern half of the United States alone will be able to see the total phase of the eclipse. For those living in the Eastern Standard Time belt the partial phase of the eclipse will be well underway as the moon rises and the total phase will begin shortly thereafter. Those who live in the Central Standard Time belt will see the eclipse in its total phase at the moon's rising. Observers in the western half of the United States will in general see only the partial phase of the eclipse, which will be in progress as the moon rises, and the ending of the eclipse.

The Moon enters the umbral shadow of the earth at 4:54 P.M. E.S.T. and is first total emersed in the shadow at 6:05 P.M. E.S.T. It begins to emerge from the shadow at 7:30 P.M. E.S.T. and is entirely outside the umbral shadow at 8:40 P.M. E.S.T. It draws clear of the penumbral shadow about an hour later, at 9:55 P.M. E.S.T.

II. **A Partial Eclipse of the Sun,** February 13, 1952. This eclipse will be visible only from points in the Orient, Alaska, and the western portion of the Pacific Ocean. At the time of greatest eclipse 76% of the Sun's diameter will be covered by the Moon.

III. **A Partial Eclipse of the Sun,** July 10, 1953. Visibility of this eclipse is restricted generally to points in the Arctic Region. The southernmost point of visibility of the eclipse is extreme northwestern Canada and that only a small fragment of the Sun's diameter will be covered and then just at sunset.

IV. **A Total Eclipse of the Moon,** July 26, 1953. The beginning of this eclipse will be visible generally in North America except the eastern and northeastern parts, South America except the eastern part, Antarctica, the Pacific Ocean, Australia, and the extreme northeastern part of Asia. The ending of the eclipse will be visible generally in the Pacific Ocean except the eastern part, the northwestern tip of North America, Australia, Antarctica, the Indian Ocean and the eastern and central parts of Asia.

Observers in the Mountain Standard Time belt of the United States will generally be able to see the Moon enter the Earth's umbral shadow and to follow the partial phases of the eclipse to the start of the total phase which will be beginning just as the Moon sets. Observers in the Pacific Standard Time belt will have better luck, in that they will be able to observe the first hour approximately of the total phase of the eclipse before the Moon sets.

V. **A Partial Eclipse of the Sun,** August 9, 1953. This eclipse will be visible only from points in the southeastern portion of the Pacific Ocean and the southern tip of South America.

OCCULTATIONS, 1953

There will be no occultations of stars or planets worthy of note to naked eye observers during 1953.

EARTH IN PERIHELION AND APHELION, 1953

The Earth will be in Perihelion on January 2, 1 A.M., distant from the Sun 91,314,000 miles. The Earth will be in Aphelion on July 9, 1 P.M., distant from the Sun 94,418,000 miles.

VENUS, MARS, JUPITER AND SATURN, 1953.

Below are given the time of the rising or setting of the Planets named, on the first, eleventh and twenty-first of each month. The time of the rising or setting of any one of said Planets between the days named may be found with sufficient accuracy by interpolation. For explanation of keys (used in adjusting times given to your town) see page 100.

1953	VENUS h m	Key	MARS h m	Key	JUPITER h m	Key	SATURN h m	Key
JANUARY 1st	sets 8 04 P.M.	F	sets 8 34 P.M.	F	sets 2 34 A.M.	L	rises 1 08 A.M.	K
" 11th	" 8 25 P.M.	G	" 8 35 P.M.	G	" 1 55 A.M.	L	" 12 31 A.M.	K
" 21st	" 8 43 P.M.	H	" 8 36 P.M.	H	" 1 18 A.M.	L	" 11 50 P.M.	K
FEBRUARY 1st	sets 9 00 P.M.	I	sets 8 36 P.M.	H	sets 12 38 A.M.	L	rises 11 07 P.M.	K
" 11th	" 9 12 P.M.	J	" 8 35 P.M.	I	" 12 04 A.M.	L	" 10 28 P.M.	K
" 21st	" 9 20 P.M.	K	" 8 35 P.M.	J	" 11 29 P.M.	L	" 9 47 P.M.	K
MARCH 1st	sets 9 21 P.M.	L	sets 8 34 P.M.	J	sets 11 04 P.M.	M	rises 9 14 P.M.	K
" 11th	" 9 13 P.M.	M	" 8 33 P.M.	K	" 10 33 P.M.	M	" 8 33 P.M.	K
" 21st	" 8 48 P.M.	M	" 8 32 P.M.	L	" 10 03 P.M.	M	" 7 50 P.M.	K
APRIL 1st	sets 7 56 P.M.	M	sets 8 30 P.M.	L	sets 9 32 P.M.	M	rises 7 03 P.M.	K
" 11th	sets 6 51 P.M.	M	" 8 29 P.M.	M	" 9 03 P.M.	M	rises 6 20 P.M.	K
" 21st	rises 3 58 A.M.	F	" 8 26 P.M.	M	" 8 35 P.M.	M	sets 4 58 A.M.	G
MAY 1st	rises 3 24 A.M.	G	sets 8 23 P.M.	N	sets 8 08 P.M.	N	sets 4 17 A.M.	H
" 11th	" 2 57 A.M.	G	" 8 20 P.M.	N	" 7 40 P.M.	N	" 3 36 A.M.	H
" 21st	" 2 34 A.M.	G	" 8 14 P.M.	O	sets 7 13 P.M.	N	" 2 55 A.M.	H
JUNE 1st	rises 2 14 A.M.	G	sets 8 07 P.M.	O	rises 3 56 A.M.	D	sets 2 10 A.M.	H
" 11th	" 1 58 A.M.	G	" 7 59 P.M.	O	" 3 25 A.M.	D	" 1 30 A.M.	H
" 21st	" 1 44 A.M.	F	" 7 48 P.M.	O	" 2 54 A.M.	D	" 12 50 A.M.	H
JULY 1st	rises 1 33 A.M.	E	sets 7 36 P.M.	O	rises 2 22 A.M.	D	sets 12 11 A.M.	H
" 11th	" 1 26 A.M.	E	rises 4 11 A.M.	C	" 1 52 A.M.	D	" 11 28 P.M.	H
" 21st	" 1 23 A.M.	D	" 4 04 A.M.	D	" 1 19 A.M.	D	" 10 49 P.M.	H
AUGUST 1st	rises 1 25 A.M.	D	rises 3 57 A.M.	D	rises 12 44 A.M.	C	sets 10 07 P.M.	H
" 11th	" 1 33 A.M.	D	" 3 51 A.M.	D	" 12 09 A.M.	C	" 9 29 P.M.	G
" 21st	" 1 46 A.M.	D	" 3 45 A.M.	E	" 11 36 P.M.	C	" 8 52 P.M.	G
SEPTEMBER 1st	rises 2 05 A.M.	D	rises 3 29 A.M.	F	rises 10 59 P.M.	C	sets 8 11 P.M.	G
" 11th	" 2 25 A.M.	E	" 3 32 A.M.	F	" 10 24 P.M.	C	" 7 34 P.M.	G
" 21st	" 2 47 A.M.	F	" 3 26 A.M.	G	" 9 48 P.M.	C	" 6 57 P.M.	G
OCTOBER 1st	rises 3 10 A.M.	G	rises 3 19 A.M.	G	rises 9-12 P.M.	C	sets 6 20 P.M.	G
" 11th	" 3 34 A.M.	H	" 3 12 A.M.	H	" 8 33 P.M.	C	" 7 44 P.M.	G
" 21st	" 3 57 A.M.	I	" 3 05 A.M.	H	" 7 54 P.M.	C	" 7 08 P.M.	G
NOVEMBER 1st	rises 4 24 A.M.	J	rises 2 57 A.M.	I	rises 7 09 P.M.	C	rises 5 35 A.M.	K
" 11th	" 4 49 A.M.	K	" 2 49 A.M.	I	" 6 26 P.M.	C	" 5 01 A.M.	K
" 21st	" 5 14 A.M.	L	" 2 41 A.M.	J	" 5 43 P.M.	C	" 4 28 A.M.	K
DECEMBER 1st	rises 5 40 A.M.	M	rises 2 33 A.M.	J	rises 4 58 P.M.	C	rises 3 54 A.M.	L
" 11th	" 6 05 A.M.	N	" 2 25 A.M.	K	rises 4 13 P.M.	C	" 3 20 A.M.	L
" 21st	" 6 28 A.M.	O	" 2 17 A.M.	K	sets 6 37 A.M.	C	" 2 45 A.M.	L
" 31st	rises 6 46 A.M.	O	rises 2 08 A.M.	L	sets 5 52 A.M.	C	rises 2 10 A.M.	L

MORNING AND EVENING STARS, 1953

(Also see Page 75)

(A Planet is called Morning Star when it is above the horizon at sunrise, and Evening Star when it is above the horizon at sunset. More precisely, it is a Morning Star when it is less than 180° west of the Sun in right ascension and Evening Star when it is less than 180° east. When the Planet is near conjunction or opposition, the distinction is unimportant.)

Mercury will be favorably situated for being seen as an Evening Star when near its greatest eastern elongations about March 2, June 27 and October 23. On these dates it will set 1 h. 48 m., 1 h. 28 m., and 0 h. 50 m., respectively, after sunset. It will be seen as a Morning Star when near its greatest western elongations about April 15, August 13 and December 1, on which dates it will rise 0 h. 48 m., 1 h. 30 m., and 1 h. 46 m., respectively, before sunrise.

Venus will grace the western sky as an Evening Star from the beginning of the year until it comes to conjunction on April 13. During this period it will reach its greatest brilliancy on March 8. From April 13 until the year's end, Venus will be a Morning Star, at its greatest brilliancy on May 19.

Mars too is an Evening Star at the year's beginning and remains so until it reaches conjunction on July 8. Thereafter it may be seen in the eastern sky before sunrise as a Morning Star for the rest of the year.

Jupiter joins Mars and Venus as an Evening Star during the first part of the year until it reaches conjunction on May 24. Thereafter it is a Morning Star until coming to opposition on December 13, whereupon it returns to the eastern sky after sunset as an Evening Star for the remainder of the year.

Saturn is a Morning Star until April 14 when it reaches opposition and a Morning Star again from conjunction on October 23 until the year's end. It is an Evening Star in the interim period from April 14 to October 23.

1952

JANUARY.

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FEBRUARY.

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MAY.

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JULY.

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OCTOBER.

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NOVEMBER.

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DECEMBER.

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1953

JANUARY.

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FEBRUARY.

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MARCH.

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APRIL.

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MAY.

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JUNE.

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AUGUST.

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SEPTEMBER.

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OCTOBER.

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NOVEMBER.

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DECEMBER.

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1954

JANUARY.

S	M	T	W	T	F	S
-	-	-	-	-	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	-	-	-	-	-	-

FEBRUARY.

S	M	T	W	T	F	S
-	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	-	-	-	-	-	-
-	-	-	-	-	-	-

MARCH.

S	M	T	W	T	F	S
-	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	-	-	-
-	-	-	-	-	-	-

APRIL.

S	M	T	W	T	F	S
-	-	-	-	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	-
-	-	-	-	-	-	-

MAY.

S	M	T	W	T	F	S
-	-	-	-	-	-	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	-	-	-	-	-

JUNE.

S	M	T	W	T	F	S
-	-	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	-	-	-
-	-	-	-	-	-	-

JULY.

S	M	T	W	T	F	S
-	-	-	-	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
-	-	-	-	-	-	-

AUGUST.

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	-	-	-	-
-	-	-	-	-	-	-

SEPTEMBER.

S	M	T	W	T	F	S
-	-	-	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	-	-
-	-	-	-	-	-	-

OCTOBER.

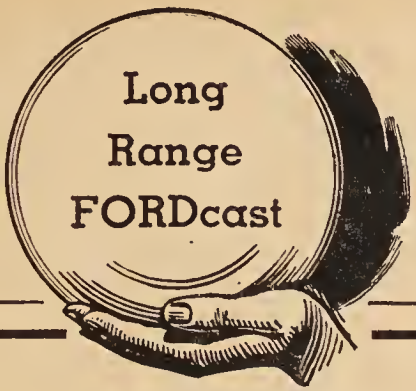
S	M	T	W	T	F	S
-	-	-	-	-	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	-	-	-	-	-	-

NOVEMBER.

S	M	T	W	T	F	S
-	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	-	-	-	-
-	-	-	-	-	-	-

DECEMBER.

S	M	T	W	T	F	S
-	-	-	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	-
-	-	-	-	-	-	-



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LAST WINTER'S WEATHER

(Nov. and Dec. 1951—Jan., Feb. and March 1952)

The forecast of last winter's weather by Abe Weatherwise even by Abe's own standards was one of the most successful he has made in many years. "Stormy" was his general overall description of the five month period. And certainly there were enough storms in sufficient variety to satisfy even the most demanding. In his month by month breakdown, November, by the records of the Blue Hill Observatory, was well nigh perfect. The first two weeks of December were not as cold as he had anticipated. But there was no lack of wind (northwesterly) or precipitation during the month. In fact from the 13th on, (18 days) the wind did blow from the northwest or west. The January thaw came in the last week, and for the "fair" week of January 11-18, he was about half right. The groundhog saw his shadow in most places, February 2nd. It was cold during the week of the 10th to the 17th—and Abe's "blizzard up to your gizzard" came right in on schedule . . . the "other barrel" of it nearly ruining Cape Cod. March did not show up as well as the rest of Abe's months but was not too far away to be inconsistent with what actually did happen.

The winter was marked by storms and floods of great intensity throughout the country and was particularly remarkable in that New York City and other places along the coast were singularly lucky in escaping storms which were assuredly headed in their direction . . . but, at the last minute, turned away. As U. S. Weather Bureau men can testify, forecasting at these spots last winter was no job for a nervous woman. Their short term forecasts in these areas should be the cause for great congratulations—and subsequent raises in pay.

NEXT WINTER'S WEATHER

(Nov. and Dec. 1952—Jan., Feb. and March 1953)

"SWINKFUL AND HEAVY-TIMED"

(with a violent storm in March)

NOVEMBER, 1952. Starts off cold and stays that way for ten days. May snow some from the 10th to the 15th and all the rest of the month will bring an unusual number of storms—chiefly rain.

DECEMBER, 1952. The first two weeks of December will bring about as bad weather as you'll ever want to see for that time of year. But the last two weeks will moderate some and on Christmas Day there will be more bare than snow covered lawns.

JANUARY, 1953. The January thaw will fall this year between the 22nd and 28th in an otherwise normal month. Colder the first two weeks than the last with most of the snow falling between the 10th and 22nd.

FEBRUARY, 1953. Groundhog will see his shadow in most places on February 2nd meaning, once again, a long cold, wet spring will follow. The month will bring plenty of snow and cold weather except possibly from the 20th to the 27th when it will be comparatively mild.

MARCH, 1953. A rainy and stormy month which will conclude the winter's many and various average storms perhaps with one "whopper" falling in the week of the 15th to the 22nd. Then it will storm some more.

HOLIDAY WEEKENDS

Only Labor Day, September 7 (which falls on Monday) and Christmas, (on Friday) are long weekend vacations in 1953. The weather will be fair on both. Thanksgiving (on Thursday) November 26th will be stormy, 4th of July (Saturday) rainy, Memorial Day (Saturday), May 30th and Washington's Birthday, (Sunday) February 22nd will both be overcast.

In All Kinds of Weather . . .

ENJOY SUNNY WARMTH

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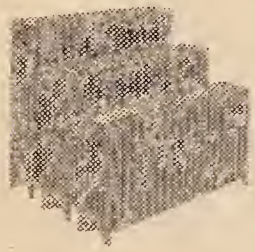
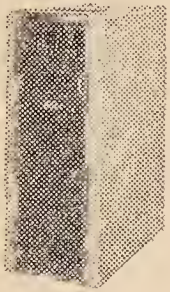


Utica Radiators



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Street .....

City.....State.....

FA

HOW TO USE THIS ALMANAC

The following Calendar Pages (12–35) have remained practically unchanged in format since the first issue in 1793. Those not familiar with the signs, abbreviations, etc., should realize that the understanding of this time-honored format is easily come by—and contains for the year 1953: the angle of the sun's declination, the times of the change of the moon's phases, sunrise, sunset, day's length, sun dial adjustments, high tides, moon rise, moon set, moon southing, moon's place in the heavens, and the moon's age—for every day in the year. On the right hand pages are expressed, by means of the symbols explained below, the relative positions during the year of the eleven planets including our sun and moon; daily tide heights, and in italic type, coursing down just to the left of the Farm Calendar, the weather which may be expected for the days which the italic sentence covers. On these right hand pages are also indicated all the important religious Holy Days of all faiths—national and state holidays—historic dates—and advice as to when the sap starts to run, birds, return, etc.

The Moon Signs used by many for planting are given in the next to last column of the left hand pages. Abbreviations used in this column are explained below and correspond to the positions on the Moon Sign Man represented on page 37. In the last column of the Planting Table which follows these Calender Pages on page 38 you will find the dates which moon addicts use as most favorable for planting.

For the adjustment of the times given, to those of your locality turn to page 100. Move this weather forecast back one day for each time zone West of Eastern Time Zone.

Calendar Page Explanations and Signs

On the right hand pages you will find every now and again the symbols given in Tables 1 and 2 conjoined in groups of three to give you what is happening in the heavens. See Abbreviations and Definitions on page 108. Example: ☌ ☌ ☉ on page 13 opposite Jan. 6 means Mars and the Sun are on that day in opposition.

1. Names and Characters of the Principal Planets.

☉ ⊙ ☺ ⛱ The Sun.
● ☽ ○ ☾ The Moon.
☿ Mercury.
♀ Venus.
⊕ The Earth.
♂ Mars.
♃ Jupiter.
♄ Saturn.
♅ or ⛢ Uranus.
♆ Neptune.
♇ Pluto.

2. Names and Characters of the Aspects.

☌ Conjunction, or in the same degree.
□ Quadrature, 90 degrees.
☍ Opposition, or 180 degrees.
☊ Dragon's Head, or Ascending Node.
☋ Dragon's Tail, or Descending Node.

3. Names, Abbreviations and Characters of the Signs of the Zodiac.

1. ♈ Aries, head. ARI
2. ♉ Taurus, neck. TAU
3. ♊ Gemini, arms. G'M
4. ♋ Cancer, breast. CNC
5. ♌ Leo, heart. LEO
6. ♍ Virgo, belly. VIR
7. ♎ Libra, reins. LIB
8. ♏ Scorpio, secrets. SCO
9. ♐ Sagittarius, thighs. SGR
10. ♑ Capricornus, knees. CAP
11. ♒ Aquarius, legs. AQR
12. ♓ Pisces, feet. PSC

Consult page 37 for Zodiacal Superstitions

4. Chronological Cycles for 1953.

Golden Number . . .	16	Solar Cycle	2	Roman Indiction . . .	6
Epact	14	Dominical Letter . .	D	Year of Julian Period	6666

Movable Feasts and Fasts for 1953.

Septuagesima Sun.	Feb. 1	Good Friday	Apr. 3	Whitsunday	May 24
Shrove Sunday	Feb. 15	Easter Sunday	Apr. 5	Trinity Sunday	May 31
Ash Wednesday	Feb. 18	Low Sunday	Apr. 12	Corpus Christi	June 4
1st Sun. in Lent	Feb. 22	Rogation Sun.	May 10	1st Sunday in Advent	Nov. 29
Palm Sunday	Mar. 29	Ascension Day	May 14		

THE SEASONS, 1953

Eastern Standard Time

Winter Solstice (Winter, 1952),	December 21, 4.44 P.M.	—	Sun enters	Capricornus, ♑
Vernal Equinox (Spring, 1953),	March 20, 5.01 P.M.	—	" "	Aries, ♈
Summer Solstice (Summer),	June 21, 12.00 Noon	—	" "	Cancer, ♋
Autumnal Equinox (Autumn),	September 23, 3.07 A.M.	—	" "	Libra, ♎
Winter Solstice (Winter),	December 21, 10.32 P.M.	—	" "	Capricornus, ♑

STANDARD TIME IS USED THROUGHOUT THIS ALMANAC

Add 1 hr April 26, deduct it Sept. 27 for Daylight Saving Time

1953] JANUARY, First Month.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.

Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /
1	22s.59	7	22 21	13	21 27	19	20 18	25	18 55
2	22 54	8	22 13	14	21 16	20	20 05	26	18 40
3	22 48	9	22 05	15	21 05	21	19 51	27	18 24
4	22 42	10	21 56	16	20 54	22	19 38	28	18 09
5	22 36	11	21 47	17	20 42	23	19 24	29	17 53
6	22 29	12	21 37	18	20 30	24	19 09	30	17 36

☾ Last Quarter, 8th day, 5 h. 09 m., morning, W.

● New Moon, 15th day, 9 h. 08 m., morning, E.

☽ First Quarter, 22nd day, 12 h. 43 m., morning, W.

○ Full Moon, 29th day, 6 h. 44 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	Key	☉ Sets. h. m.	Key	Length of Days. h. m.	Sun Fast. m.	Full Sea, Boston. Morn h.	Full Sea, Boston. Even h.	☽ Rises. h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Age
1	1	Th.	7 13	O	4 23	C	9 10	12	11¾	—	5$^{P}_{M}$50	D	12$^{A}_{M}$38	CNC	16
2	2	Fr.	7 13	O	4 24	C	9 11	12	0¼	0½	6 54	E	1 26	LEO	17
3	3	Sa.	7 13	O	4 25	C	9 12	11	1	1	7 57	F	2 11	LEO	18
4	4	S.	7 13	O	4 26	C	9 13	11	1¾	1¾	8 58	H	2 53	LEO	19
5	5	M.	7 13	O	4 27	D	9 14	10	2¼	2½	9 59	I	3 33	VIR	20
6	6	Tu.	7 13	N	4 28	D	9 15	10	3	3¼	11$^{P}_{M}$00	J	4 12	VIR	21
7	7	W.	7 13	N	4 29	D	9 16	9	3¾	4	—	—	4 52	LIB	22
8	8	Th.	7 13	N	4 30	D	9 17	9	4½	5	12$^{A}_{M}$02	K	5 33	LIB	23
9	9	Fr.	7 13	N	4 31	D	9 18	9	5½	5¾	1 06	M	6 17	SCO	24
10	10	Sa.	7 12	N	4 32	D	9 20	8	6¼	6¾	2 14	N	7 05	SCO	25
11	11	S.	7 12	N	4 33	D	9 21	8	7¼	7¾	3 24	O	7 58	SCO	26
12	12	M.	7 12	N	4 34	D	9 22	7	8	8¾	4 34	P	8 56	SGR	27
13	13	Tu.	7 11	N	4 35	D	9 24	7	9	9½	5 39	P	9 57	SGR	28
14	14	W.	7 11	N	4 36	D	9 25	7	9¾	10½	6$^{A}_{M}$36	P	11$^{A}_{M}$00	CAP	29
15	15	Th.	7 10	N	4 37	D	9 27	6	10¾	11¼	sets	—	12$^{P}_{M}$02	CAP	0
16	16	Fr.	7 10	N	4 39	D	9 29	6	11½	—	6$^{P}_{M}$10	E	1 00	AQR	1
17	17	Sa.	7 09	N	4 40	D	9 31	6	0	0¼	7 32	G	1 55	AQR	2
18	18	S.	7 09	N	4 41	D	9 32	5	0¾	1¼	8 50	H	2 47	PSC	3
19	19	M.	7 08	N	4 42	D	9 34	5	1¾	2	10 06	J	3 37	PSC	4
20	20	Tu.	7 08	N	4 43	D	9 35	5	2½	3	11$^{P}_{M}$21	K	4 26	ARI	5
21	21	W.	7 07	N	4 45	D	9 38	4	3½	3¾	—	—	5 16	ARI	6
22	22	Th.	7 06	N	4 46	D	9 40	4	4¼	4¾	12$^{A}_{M}$35	M	6 06	TAU	7
23	23	Fr.	7 06	N	4 47	D	9 41	4	5¼	6	1 47	N	6 59	TAU	8
24	24	Sa.	7 05	N	4 48	D	9 43	4	6¼	7	2 57	P	7 54	G'M	9
25	25	S.	7 04	M	4 50	E	9 46	3	7¼	8	4 01	P	8 48	G'M	10
26	26	M.	7 03	M	4 51	E	9 48	3	8¼	9	4 58	P	9 42	CNC	12
27	27	Tu.	7 02	M	4 52	E	9 50	3	9¼	10	5 44	P	10 33	CNC	13
28	28	W.	7 01	M	4 54	E	9 53	3	10	10½	6$^{A}_{M}$24	O	11$^{P}_{M}$22	LEO	14
29	29	Th.	7 00	M	4 55	E	9 55	3	10¾	11¼	rises	—	—	—	—
30	30	Fr.	6 59	M	4 56	E	9 57	2	11½	—	5$^{P}_{M}$47	F	12$^{A}_{M}$07	LEO	15
31	31	Sa.	6 59	M	4 57	E	9 58	2	0	0	6$^{P}_{M}$49	G	12$^{A}_{M}$50	LEO	16

JANUARY hath 31 days. [1953

The time's delight, and mine,
Is the precisely dated
Angle and curve and shine,
And the day's idiom stated
Now, by the living tongue
Set to the breathing lung.

The time, that touches, once,
This temporary town,
And I, a man who hunts
His happiness up and down—
We look, we listen how
Sweet is our native Now.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Th.	Circumcision. Tides {10.2 —	*Much*
2	Fr.	☉ in Peri Days have lengthened one cock's stride {8.8 10.0	
3	Sa.	[4th ☿ in ♉ ☾ in Apo.] {8.8 9.7	*colder*
4	D	2d S. a. Chris. Holy name {8.8 9.4	*now.*
5	M.	♃ Stat. in R.A. Take down Xmas greens {8.8 9.0	*Pre-*
6	Tu.	Epiph. ☌ ♁ ☉ ☾ on Eq. {8.7 8.6	*pare*
7	W.	E. Mass. & N.H. quake 1925 Cattle need salt {8.7 8.2	*for*
8	Th.	♂ ♆ ☾ Galileo died 1642 Hol. La. {8.7 7.9	*snow.*
9	Fr.	♂ ♄ ☾ Bklyn. tornado 1889 Tides {8.8 7.7	
10	Sa.	Carlson's "Enterprise" sank 1952 {9.0 7.7	*Roads*
11	D	1st S. a. Ep. City of Frisco {9.5 7.9	*need*
12	M.	Plough Monday Stalled 1952 {9.7 8.2	*plough-*
13	Tu.	☾ rides low. [14th ☿ in Aph.] {10.2 8.6	*ing so*
14	W.	St. Hil. □ ♆ ☉ ♂ ☿ ☾ {10.7 9.1	*does*
15	Th.	As the days lengthen the cold strengthens {11.1 9.6	*your mow-*
16	Fr.	☾ in Peri Hoax of the bottle 1749 Tides {11.3 —	*ing.*
17	Sa.	□ ♄ ☉ ♂ ♀ ♂ Tides {10.0 11.4	*Milder*
18	D	2d S. a. Ep. ♂ ♂ ☾ {10.3 11.2	*days*
19	M.	☾ on Eq. [18th ♂ ♀ ☾] Hol. south {10.5 10.8	*with*
20	Tu.	INAUGURAL DAY Tides {10.4 10.3	*few*
21	W.	Soldiers of Liberty Feast Boston 1793 {10.8 9.6	*sun's rays.*
22	Th.	♂ ♃ ☾ Underground Moon Tides {10.0 8.9	*The*
23	Fr.	Battle of Apparitions in the Air 1642 {9.8 8.4	*January*
24	Sa.	♀ in ♌ [25th ♆ in Stat. R.A.] {9.6 8.0	*thaw,*
25	D	3d S. a. Ep. ☾ runs high. {9.6 7.9	*slushy*
26	M.	Spanish Loyalists Surr. 1939 {9.6 8.0 Hol. Ark.	*and*
27	Tu.	♂ ♁ ☾ Audubon died 1851 Tides {9.7 8.2	*raw.*
28	W.	City of Boston left Halifax 1870 Tides {9.7 8.4	*Bright*
29	Th.	☾ Total Eclipse Wolf Moon Tides {9.8 8.7	
30	Fr.	F.D.R.'s day Aurora Bor. 1st. eng. rec. Hol. Ky., W.Va. {9.8 —	
31	Sa.	♀ Gr. El. E. 1560 {8.8 9.7	*nights.*

This is the phliosopher's month—good for pipe smoking in the Boston rocker—excellent for feet warming. Ma's activities will be about the same as usual, likely stepped up some—you being under foot or sick-a-bed from house draughts.

But if you have figured out your taxes and how to pay them, then you may relax and think backwards and forwards on this farm business of yours. You may ponder the days when you and your Dad and your brothers did all the milking by hand, when there was no such thing as electric milkers, hay balers, and a bubbler for each cow—when soil analysis, contour ploughing, crop rotation, and county agents were just newfangled ideas (or not ideas yet)—when your horses or your oxen pulled your machines—when you had a lot of sheep and a collie to drive them--when you had strong sons growing up to help you and sturdy daughters who would some day raise their own farm families.

You will reflect your sons didn't stay on the farm because all the new machinery you got sort of took their places. Maybe they did better off the farm—maybe they didn't—but anyhow you didn't lack too much for help, and you've been turning out two or three times the crops and milk with less labor than in the old days. Things are pretty good with you, though there is an ache behind it—your farm as a family unit is gone forever.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.

Days	0 /	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /
1	17s. 02	7	15 15	13	13 17	19	11 12	25	9 01
2	16 45	8	14 56	14	12 57	20	10 51	26	8 39
3	16 28	9	14 36	15	12 36	21	10 29	27	8 16
4	16 10	10	14 17	16	12 16	22	10 07	28	7 53
5	15 52	11	13 57	17	11 55	23	9 45		
6	15 33	12	13 37	18	11 34	24	9 23		

☾ Last Quarter, 6th day, 11 h. 09 m., evening, W.
● New Moon, 13th day, 8 h. 10 m., evening, E.
☽ First Quarter, 20th day, 12 h. 44 m., evening, E.
○ Full Moon, 28th day, 1 h. 59 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	Key	☉ Sets. h. m.	Key	Length of Days. h. m.	Sun Fast. m.	Full Sea, Boston. Morn h.	Full Sea, Boston. Even h.	☽ Rises h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Age
32	1	S.	6 58	M	4 59	E	10 01	2	0½	0¾	7P M50	H	1A M31	VIR	17
33	2	M.	6 57	M	5 00	E	10 03	2	1	1¼	8 50	J	2 10	VIR	18
34	3	Tu.	6 55	M	5 01	E	10 06	2	1¾	2	9 51	K	2 49	LIB	19
35	4	W.	6 54	M	5 03	E	10 09	2	2½	2¾	10 54	L	3 30	LIB	20
36	5	Th.	6 53	M	5 04	E	10 11	2	3	3½	11P M59	M	4 12	LIB	21
37	6	Fr.	6 52	M	5 05	E	10 13	2	3¾	4¼	—	—	4 57	SCO	22
38	7	Sa.	6 51	M	5 07	E	10 16	2	4¾	5¼	1A M06	N	5 47	SCO	23
39	8	S.	6 50	L	5 08	F	10 18	1	5½	6¼	2 14	O	6 40	SGR	24
40	9	M.	6 48	L	5 09	F	10 21	1	6½	7¼	3 20	P	7 38	SGR	25
41	10	Tu.	6 47	L	5 11	F	10 24	1	7½	8¼	4 19	P	8 39	CAP	26
42	11	W.	6 46	L	5 12	F	10 26	1	8½	9¼	5 11	O	9 40	CAP	27
43	12	Th.	6 45	L	5 13	F	10 28	1	9½	10	5A M52	N	10 40	AQR	28
44	13	Fr.	6 43	L	5 14	F	10 31	1	10¼	10¾	sets	—	11A M38	AQR	29
45	14	Sa.	6 42	L	5 16	F	10 34	1	11¼	11¾	6P M23	H	12P M32	PSC	1
46	15	S.	6 41	L	5 17	F	10 36	2	—	0	7 42	I	1 25	PSC	2
47	16	M.	6 39	L	5 18	F	10 39	2	0½	0¾	9 00	K	2 16	ARI	3
48	17	Tu.	6 38	L	5 19	F	10 41	2	1¼	1¾	10 18	L	3 08	ARI	4
49	18	W.	6 36	L	5 21	F	10 45	2	2¼	2½	11P M33	N	4 00	TAU	5
50	19	Th.	6 35	L	5 22	F	10 47	2	3	3½	—	—	4 54	TAU	6
51	20	Fr.	6 33	L	5 23	G	10 50	2	4	4½	12A M46	O	5 49	G'M	7
52	21	Sa.	6 32	K	5 25	G	10 53	2	5	5½	1 54	P	6 44	G'M	8
53	22	S.	6 30	K	5 26	G	10 56	2	6	6¾	2 53	P	7 38	CNC	9
54	23	M.	6 29	K	5 27	G	10 58	2	7	7¾	3 43	P	8 30	CNC	11
55	24	Tu.	6 27	K	5 28	G	11 01	2	8	8¾	4 24	O	9 19	CNC	12
56	25	W.	6 26	K	5 30	G	11 04	3	9	9½	4 57	N	10 05	LEO	13
57	26	Th.	6 24	K	5 31	G	11 07	3	9¾	10¼	5 24	M	10 48	LEO	14
58	27	Fr.	6 23	K	5 32	G	11 09	3	10¼	10¾	5A M47	L	11P M30	VIR	15
59	28	Sa.	6 21	K	5 33	G	11 12	3	11	11½	rises	—	—	—	—

FEBRUARY hath 28 days. [1953

Walk the winter evening, slowly,
Take its cold into the bone,
Be of the winter wintry, wholly.
You will be less man alone.

Take the frozen pond for mind,
Take, for heart, the field in frost,
Stubble and gray, at rest and blind,
Losing all, and itself, lost.

Be of the winter's kind and kin,
With a short season's tryst to keep,
Knowing how it has always been
With pond and field and heart and mind
And all the winter's kith and kind,
The other side of sleep.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	
1	D	Sept. S. □ ♃ ☉ ☾ in Apo. {9.0 9.6}	*Sleigh*
2	M.	Purif. Mary ♂ ☿ ☉ Sup. ☾ on Eq. {9.1 9.4}	*bells*
3	Tu.	☿ Gr. Hel. Lat. S. Income tax amend. 1913 {9.1 9.1}	*now*
4	W.	American Episcopal Church founded 1887 Tides {9.1 8.7}	*ring*
5	Th.	♂ Ψ ☾ | ♂ ♄ ☾ ♄ in Stat. R.A. {9.1 8.3}	*but*
6	Fr.	King George VI died 1952 Arbor Day Ariz. {9.0 8.0}	*skiing's*
7	Sa.	Shoes rationed 1943 Tides {9.0 7.7}	*the*
8	D	Sexag. S. Tides {9.1 7.7}	*thing.*
9	M.	☾ rides low Japs left Guadalcanal '43 {9.3 7.9}	*Mild.*
10	Tu.	♂ P ☉ Normandie capsized 1942 {9.7 8.3}	*Why*
11	W.	The tragic Yalta Conference of 1945 Tides {10.2 8.9}	*shovel*
12	Th.	LINCOLN'S BIRTHDAY Tides {10.8 9.6}	*and*
13	Fr.	☉ Partial Eclipse Geese are laying {11.2 10.2}	*sweep*
14	Sa.	St. Val. ♂ ☿ ☾ ☾ in Peri. Hol. Ariz. {11.5 10.7}	*just*
15	D	Quin. S. ☾ on Eq. Shrove Sun. {— 11.5}	*roll*
16	M.	♂ ♂ ☾ Quite a blizzard '52 {11.0 11.3}	*out the*
17	Tu.	Shrove Tu. ♂ ♀ ☾ Tides {11.1 10.8}	*jeep.*
18	W.	Ash Wed. Fast day Tides {10.9 10.1}	
19	Th.	♂ ♃ ☾ Auld Deer worst of the year Tides {10.5 9.4}	
20	Fr.	Women admitted to Bar 1879 Fast day {10.1 8.6}	*Rime*
21	Sa.	[22nd ☿ in ♌ ☾ runs high] {9.6 8.0}	*this*
22	D	1st S. L. Wash. Bthday Tides {9.2 7.7}	*time,*
23	M.	♂ ☊ ☾ 16 ft. tide at Boston 1723 {9.0 7.7}	*then*
24	Tu.	St. Matthias Tides {9.0 7.8}	*clouds*
25	W.	Fast Day Ember Days 25, 27, 28th Tides {9.1 8.2}	*lose*
26	Th.	Dinoflagellates turned Florida tides red 1950 Tides {9.2 8.5}	*their*
27	Fr.	☿ in Peri ♀ in Peri Fast Day Tides {9.4 8.8}	
28	Sa.	☾ in Apo Elliott dest. Thurott 1760 {9.4 9.1}	*shrouds.*

Shrimps or any raw fish for breakfast will help that had "morning after".

Farmer's Calendar.

You have probably taken note this time of year in checking over your tools and farm implements that a good many things seemed missing. Allowing for the natural wearing out of things or the misplacing of them, there will probably still be quite a few that will just seem to have "walked off." Well then, why not do something about it—right now when you have the time? Spend a few dollars and get a branding iron (better with your name than initials) and brand every wooden handle or machine on the place. Make yourself a lockup for what you can't brand—chains, certain tools, and your good rope.

Likely you do have fire and theft insurance — probably with a clause that says you don't collect on any loss less than $50.00. Maybe you can add up to more than $50.00 the stuff you are missing, but have you reasonable proof that these things were stolen? Granted that your insurance company might honor this claim this time, such constant, vague small loss claims won't go down with them many times. Of course it is a very different matter where you have clear-cut losses due to an obvious theft or fire.

Besides insurance, then, for protection look to the branding iron, a lock that is sound, a place for everything, a list of the things in their places (so far as you can), and a frequent check-up by the master. Can be done.

1953] MARCH, THIRD MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.

Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /
1	7s. 31	7	5 12	13	2 51	19	0 29	25	1 53
2	7 08	8	4 49	14	2 27	20	0s. 05	26	2 17
3	6 45	9	4 25	15	2 04	21	0N. 19	27	2 40
4	6 22	10	4 02	16	1 40	22	0 42	28	3 04
5	5 59	11	3 38	17	1 16	23	1 06	29	3 27
6	5 35	12	3 15	18	0 52	24	1 30	30	3 50

☾ Last Quarter, 8th day, 1 h. 26 m., evening, E.

● New Moon, 15th day, 6 h. 05 m., morning, W.

☽ First Quarter, 22nd day, 3 h. 10 m., morning, E.

○ Full Moon, 30th day, 7 h. 55 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	Key	☉ Sets. h. m.	Key	Length of Days. h. m.	Sun Fast. m.	Full Sea, Boston. Morn h.	Full Sea, Boston. Even h.	☽ Rises. h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Age
60	1	S.	6 20	K	5 34	G	11 14	3	11½	—	6P M 42	I	12A M 10	VIR	16
61	2	M.	6 18	K	5 36	G	11 18	4	0	0¼	7 43	K	12 49	VIR	17
62	3	Tu.	6 16	K	5 37	G	11 21	4	0½	0¾	8 45	L	1 29	LIB	18
63	4	W.	6 15	K	5 38	H	11 23	4	1¼	1½	9 49	M	2 10	LIB	19
64	5	Th.	6 13	J	5 39	H	11 26	4	1¾	2¼	10P M 55	N	2 54	SCO	20
65	6	Fr.	6 11	J	5 40	H	11 29	4	2½	3	—	—	3 42	SCO	21
66	7	Sa.	6 10	J	5 42	H	11 32	5	3¼	3¾	12A M 01	O	4 33	SGR	22
67	8	S.	6 08	J	5 43	H	11 35	5	4	4¾	1 06	P	5 27	SGR	23
68	9	M.	6 06	J	5 44	H	11 38	5	5	5¾	2 07	P	6 25	SGR	24
69	10	Tu.	6 05	J	5 45	H	11 40	5	6	6¾	4 00	P	7 24	CAP	25
70	11	W.	6 03	J	5 47	H	11 44	6	7	7¾	3 44	O	8 23	CAP	26
71	12	Th.	6 01	J	5 48	H	11 47	6	8¼	8¾	4 20	M	9 20	AQR	27
72	13	Fr.	6 00	J	5 49	H	11 49	6	9	9½	4 52	L	10 15	AQR	28
73	14	Sa.	5 58	J	5 50	H	11 52	7	10	10½	5A M 18	J	11A M 08	PSC	29
74	15	S.	5 56	J	5 51	I	11 55	7	11	11¼	sets	—	12P M 00	PSC	0
75	16	M.	5 54	I	5 52	I	11 58	7	11¾	—	7P M 50	L	12 53	ARI	1
76	17	Tu.	5 53	I	5 53	I	12 00	7	0	0½	9 09	M	1 46	ARI	2
77	18	W.	5 51	I	5 55	I	12 04	8	1	1½	10 27	O	2 41	TAU	3
78	19	Th.	5 49	I	5 56	I	12 07	8	1¾	2¼	11P M 39	P	3 38	TAU	4
79	20	Fr.	5 48	I	5 57	I	12 09	8	2½	3¼	—	—	4 35	G'M	5
80	21	Sa.	5 46	I	5 58	I	12 12	9	3½	4	12A M 44	P	5 31	G'M	6
81	22	S.	5 44	I	5 59	I	12 15	9	4½	5¼	1 38	P	6 25	CNC	8
82	23	M.	5 42	I	6 00	I	12 18	9	5½	6¼	2 23	P	7 16	CNC	9
83	24	Tu.	5 40	I	6 01	I	12 21	9	6½	7¼	2 58	O	8 03	LEO	10
84	25	W.	5 39	I	6 03	I	12 24	10	7½	8¼	3 27	M	8 47	LEO	11
85	26	Th.	5 37	I	6 04	I	12 27	10	8½	9	3 52	L	9 29	LEO	12
86	27	Fr.	5 35	H	6 05	J	12 30	10	9¼	9¾	4 13	K	10 09	VIR	13
87	28	Sa.	5 34	H	6 06	J	12 32	10	10	10¼	4 32	J	10 48	VIR	14
88	29	S.	5 32	H	6 07	J	12 35	11	10½	10¾	4A M 52	I	11P M 28	LIB	15
89	30	M.	5 30	H	6 08	J	12 38	11	11¼	11½	rises	—	—	—	—
90	31	Tu.	5 28	H	6 09	J	12 41	12	11¾	—	7P M 41	M	12A M 09	LIB	16

MARCH hath 31 days. [1953

Who opened the dread gale's enormous door
And let him out? . . .

And later were surprised to hear the roar
Dim.nish to a shout,
And dwindle to a whine that might have been
The sick hound coming home, and let him in?

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	D	2nd ☽ L. PURIM ☾ on Eq. Hol. Neb. {9.4 —}	This is the month that puts the "whether" in the weather prediction. For Mareh is neither winter nor spring and fair weather or foul are about as predictable as March hares. So with the weather man it's just a matter of guessing whether it 'twill or whether it 'twont—or whether he eonsults the Old Farmer's Almanac.
2	M.	Carroll Swan d. 1935 (1st) ☿ Gr. El. Hol. E. Texas {9.3 9.4} *Rain*	
3	Tu.	Iceberg Patrol starts out Tides {9.4 9.2} *snow*	
4	W.	☌♆☾ ☌♄☾ Tides {8.5 9.0} *fog*	
5	Th.	The Ides begin beware of Tides {9.5 8.7} *sleet,*	
6	Fr.	Old Colind Tides {9.5 8.4} *March*	
7	Sa.	♀ Greatest brilliancy Sugaring begins {9.4 8.1} *weather*	
8	D	3rd ☽ L. ☿ Stat in R.A. ☾ rides low {9.3 7.9}	As the snow leaves the fields and the brushy woodlands, fire hazards increase and will until well into April or May. Fire hazard is gauged professionally by the amount of drying out of woodlands at a given day, the amount of humidity then, the amounts of wind, sun, and humidity expeeted immediately. And it depends, too, upon the number of fools along the highways—and soon along our streams—who knock the dottle out of their pipes or throw their matches aud cigarettes away anywhere—or burn their rubbish in a high, dry wind. The stories of our great fires have become almost legendary—for we like to make our legends overnight, forgetting how real the stuff they were made of is for us today, sueh as the fool, the match, the tinderbox.
9	M.	☿ Gr. Hel. Lat. N. Dr. Sanders acquitted 1950 Tides {9.3 7.9}	
10	Tu.	Boston firemen get first pay checks 1739 Tides {9.4 8.2} *can't*	
11	W.	J. Appleseed died 1847 Great blizzards of 1888 1924 Tides {9.3 8.8} *be*	
12	Th.	St. Gregory {10.2 9.5} *beat.*	
13	Fr.	Uranus Disc. 1831 and 1939 Tides {10.7 10.2}	
14	Sa.	☾ in Peri. Taxes due tomorrow [15th Hol. Tenn] {11.1 10.8}	
15	D	4th ☽ L. ♂☿☾ ☾ on Eq. {10.3 11.3} *Watch*	
16	M.	[17th ♂☌☾ ♂☿☾ ♂☿☾] {11.8 — *out*	
17	Tu.	St. Patrick Day equals night Tides {11.5 11.0} *for*	
18	W.	♂ ☿ ☉ Inf. ♐ in ♌ {11.4 10.5} *year's*	
19	Th.	St. Joseph's Day ♂ ♃ ☾ Tides {11.1 9.3} *most*	
20	Fr.	Spring begins 5.01 p.m. ☉ enters ♈ {10.6 9.1} *violent*	
21	Sa.	♀ Gr. Hel. Lat. N. Stat. ♀ in R.A. ☾ runs high {10.0 8.4} *storm.*	
22	D	Pa. ☽. ♄ Gr. Hel. Lat. N. Stat. ☉ in R.A. {9.4 7.9}	
23	M.	♂☌☾ Oysters spawn on full tides now Tides {8.9 7.7}	
24	Tu.	The bull market began in 1928 Tides {8.7 7.7} *Sloppy*	
25	W.	Annunc. Lady Day Tides {8.0 8.6} *and*	
26	Th.	Nat. Bowditch born 1773 Tides {8.7 8.3} *muddy*	
27	Fr.	☾ in Apo. Seven sorrows Tides {8.8 8.7} *but*	
28	Sa.	☾ on Eq. Cincinnatl riots 1884 Tides {9.0 9.0} *mist*	
29	D	Palm ☽. Scott perished '12 {9.1 9.3} *keeps*	
30	M.	☿ Stat. in R.A. Eiffel Tower open 1889 {9.1 9.5} *cheeks*	
31	Tu.	First day Passover ♂♆☾ ♂♄☾ {9.1 — *ruddy.*	

It is well, now, to get at yonr ploughing and your fertilizing as soon as possible. But go by the season and not by the calendar. If you plan to use bulldozers or other heavy maehinery for clearing out walls or pastures, better put it off for another month at least.

1953] APRIL, Fourth Month.

ASTRONOMICAL CALCULATIONS.

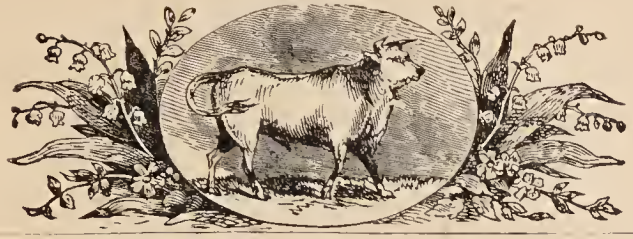
☉'s Declination.	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /
	1	4N.37	7	6 54	13	9 08	19	11 14	25	13 15
	2	5 00	8	7 16	14	9 28	20	11 35	26	13 34
	3	5 23	9	7 39	15	9 50	21	11 55	27	13 53
	4	5 46	10	8 01	16	10 11	22	12 15	28	14 13
	5	6 08	11	8 23	17	10 32	23	12 35	29	14 31
	6	6 31	12	8 45	18	10 53	24	12 55	30	14 50

☾ Last Quarter, 6th day, 11 h. 58 m., evening, E.
● New Moon, 13th day, 3 h. 09 m., evening, W.
☽ First Quarter, 20th day, 7 h. 40 m., evening, W.
○ Full Moon, 28th day, 11 h. 20 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	Key	☉ Sets. h. m.	Key	Length of Days. h. m.	Sun Fast. m.	Full Sea, Boston. Morn h.	Full Sea, Boston. Even h.	☽ Rises. h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Age
91	1	W.	5 27	H	6 10	J	12 43	12	0	0½	8PM46	N	12AM49	SCO	17
92	2	Th.	5 25	H	6 12	J	12 47	12	0½	1	9 53	O	1 39	SCO	18
93	3	Fr.	5 23	H	6 13	J	12 50	12	1¼	1¾	10 58	P	2 30	SCO	19
94	4	Sa.	5 21	H	6 14	J	12 53	13	2	2½	11PM59	P	3 22	SGR	20
95	5	S.	5 20	H	6 15	J	12 55	13	2¾	3¼	—	—	4 18	SGR	21
96	6	M.	5 18	H	6 16	J	12 58	13	3½	4¼	12AM54	P	5 16	CAP	22
97	7	Tu.	5 16	H	6 17	J	13 01	14	4½	5¼	1 39	O	6 13	CAP	23
98	8	W.	5 15	G	6 18	K	13 03	14	5¾	6¼	2 17	N	7 08	AQR	24
99	9	Th.	5 13	G	6 19	K	13 06	14	6¾	7¼	2 49	M	8 02	AQR	25
100	10	Fr.	5 12	G	6 21	K	13 09	14	7¾	8¼	3 17	K	8 54	PSC	26
101	11	Sa.	5 10	G	6 22	K	13 12	15	8¾	9¼	3 43	J	9 45	PSC	27
102	12	S.	5 08	G	6 23	K	13 15	15	9¾	10	4AM08	H	10 37	ARI	28
103	13	M.	5 06	G	6 24	K	13 18	15	10½	11	sets	—	11AM30	ARI	29
104	14	Tu.	5 05	G	6 25	K	13 20	15	11½	11¾	7PM58	N	12PM25	TAU	1
105	15	W.	5 03	G	6 26	K	13 23	16	—	0¼	9 15	O	1 22	TAU	2
106	16	Th.	5 02	G	6 27	K	13 25	16	0½	1	10 23	P	2 20	G'M	3
107	17	Fr.	5 00	G	6 28	K	13 28	16	1¼	2	11PM27	P	3 18	G'M	4
108	18	Sa.	4 58	G	6 30	K	13 32	16	2¼	2¾	—	—	4 15	CNC	5
109	19	S.	4 57	G	6 31	K	13 34	17	3	3¾	12AM17	P	5 08	CNC	6
110	20	M.	4 55	F	6 32	L	13 37	17	4	4¾	12 57	O	5 57	CNC	7
111	21	Tu.	4 54	F	6 33	L	13 39	17	5	5¾	1 28	N	6 43	LEO	8
112	22	W.	4 52	F	6 34	L	13 42	17	6	6¾	1 55	M	7 26	LEO	9
113	23	Th.	4 51	F	6 35	L	13 44	17	6¾	7½	2 17	K	8 07	VIR	10
114	24	Fr.	4 49	F	6 36	L	13 47	18	7¾	8¼	2 37	J	8 46	VIR	11
115	25	Sa.	4 48	F	6 37	L	13 49	18	8½	9	2 56	I	9 26	LIB	12
116	26	S.	4 46	F	6 39	L	13 53	18	9¼	9¾	3 16	H	10 07	LIB	13
117	27	M.	4 45	F	6 40	L	13 55	18	10	10¼	3AM36	G	10 50	LIB	14
118	28	Tu.	4 44	F	6 41	L	13 57	18	10¾	11	rises	—	11PM36	SCO	15
119	29	W.	4 42	F	6 42	L	14 00	18	11¼	11½	7PM43	N	—	—	—
120	30	Th.	4 41	F	6 43	L	14 02	19	—	0	8PM50	O	12AM25	SCO	16

APRIL hath 30 days. [1953



Lovely the springing land under the light.
The light has come like one from a far country,
Having heard of the land in tales of travellers:
"The land is green, there, and the green stirs
In a small wind, and spreads, under your sight,
Up slopes, and over the round hills, to find
The watcher, there — and spreads, then, over his mind".
(It is man's love the poem is speaking of.
— I know, I am the man . . . and it is love.)

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, Etc.		Farmer's Calendar.
1	W.	All Fool's Day / A Fast day / Hol. Mich.	{9.7 9.0	*Hokey*
2	Th.	Maundy Thursday ☿ in ♉	Tides {9.8 8.9	*pokey*
3	Fr.	Good Fri.	Holiday many states {9.8 8.7	*soft*
4	Sa.	□ ♁ ☉	S.S. Steineman wreck 1884 {9.8 8.5	*and*
5	D	Easter Day	☾ rides low {9.7 8.3	*smoky.*
6	M.	Fish Hawks return to Greenport, N.Y.	Tides {9.6 8.2	
7	Tu.	Cain born, Abel slain	H. Ford died 1947 {9.5 8.4	*Breezy*
8	W.	La Salle foll.	Tides {9.6 8.8	*and clear,*
9	Th.	Miss. R. to sea	March into Egypt {9.8 9.3	*real*
10	Fr.	In 1682	Peepers are peeping {10.1 10.0	*Spring*
11	Sa.	☌ ☿ ☾ ☾ on Eq.	[12th ☾ in Peri] {10.5 10.7	*is*
12	D	Low S.	☿ in Aph. ☌ ♆ ☉ Hol. N.C. {10.8 11.2	
13	M.	☌ ♀ ☉ Inf.	☌ ♀ ☾ Hol. Mo., Okla., Va. {10.9 11.6	*near.*
14	Tu.	☌ ♄ ☉	Geese are winging north {10.8 11.6	*Gentle*
15	W.	☿ Gr. El. W	☌ ♂ ☾ ☌ ♃ ☾ {— 10.5	*showers*
16	Th.	Ave. date last killing frost but see May 28, 1884	{11.5 10.0	*beckon*
17	Fr.	☾ runs high	War workers frozen 1943 {11.1 9.5	*the*
18	Sa.	[19th ☌ ♁ ☾]	Joan of Arc 1909 {10.5 8.9	*flow-*
19	D	2nd a. E.	Patriots' D. Hol. Me., Mass. {9.9 8.4	
20	M.	Ice out of N.H.'s large lakes 1952	Tides {9.2 8.0	*ers.*
21	Tu.	Rome founded 754 B.C.	Hol. Texas Tides {8.7 7.9	*Rain,*
22	W.	Quail saved Israelites	Hol. Neb.-Okla. {8.4 8.0	*rain*
23	Th.	St. George	Shakespeare born 1564 {8.3 8.3	*gives*
24	Fr.	☾ in Apo.	Died same day 1616 {8.4 8.6	*every-*
25	Sa.	St. Mark, Ev.	☾ on Eq. Tides {8.5 8.9	*one*
26	D	3rd a. E.	D.S.T. begins Hol. Fla., Ga., Miss. {8.6 9.2	
27	M.	Fast Day ☌ ♂ ♃	Holiday N. Hamp. Tides {8.7 9.5	*a*
28	Tu.	[27th ☌ ♆ ☾ ☌ ♄ ☾ ☌ ☿ ♀]		{8.7 9.7
29	W.	Jap Peace Treaty signed 1952	Tides {8.3 10.0	*big*
30	Th.	Canadian geese arrive Canada	Tides {— 8.8	*pain.*

There's no fool like an old fool.

I haven't seen a real old-time tramp for many a spring, but he and his brethren used to be a sign of spring in our town. There was a particular spot where we could count on seeing them. Down behind the Old Sailor's Home it was—on the soft sunny banks of a lane that wandered in mud or dust from the sand dunes and followed the meanderings of a tidal creek which ended in the town dump. It was a wonderful place for tramps—God bless 'em.

And the gypsies, harbingers of spring as well—where are they? The last band I saw were in an enormous Pierce-Arrow and an equally enormous Locomobile that had once been a hearse. The gypsies in the hearse were making a merry home of it with the back doors flung wide open and all the interior bright with their colors.

Then there were the Italian women who used to come waddling over our lawns and fields to get dandelion greens. Well I remember them—bandanas on head, stomachs enormous within tightly tied aprons—ungainly silhouettes that could, however, with astonishing ease and rapidity, bob up and down as they filled their aprons.

And, of course, there was the Italian with his monkey and hurdy-gurdy. We still see him now and then, and, when we hear the rusty strains of La Traviata and Il Trovatore cranked out once more, it is April in our hearts.

1953] MAY, FIFTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	° ′	Days.	° ′	Days.	° ′	Days.	° ′	Days.	° ′	Days.	° ′
	1	15 N. 08	7	16 52	13	18 26	19	19 48	25	20 59		
	2	15 26	8	17 08	14	18 40	20	20 01	26	21 09		
	3	15 44	9	17 24	15	18 55	21	20 13	27	21 20		
	4	16 01	10	17 40	16	19 09	22	20 25	28	21 29		
	5	16 18	11	17 56	17	19 22	23	20 37	29	21 39		
	6	16 35	12	18 11	18	19 35	24	20 48	30	21 48		

☾ Last Quarter, 6th day, 7 h. 21 m., morning, W.

● New Moon, 13th day, 12 h. 06 m., morning, E.

☽ First Quarter, 20th day, 1 h. 20 m., evening, W.

○ Full Moon, 28th day, 12 h. 03 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	Key	☉ Sets. h. m.	Key	Length of Days. h. m.	Sun Fast. m.	Full Sea, Boston. Morn h.	Full Sea, Boston. Even h.	☽ Rises. h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Age
121	1	Fr.	4 39	F	6 44	L	14 05	19	0¼	0¾	9 P M 53	P	1 A M 18	SGR	17
122	2	Sa.	4 38	F	6 45	M	14 07	19	0¾	1½	10 50	P	2 14	SGR	18
123	3	☉	4 36	E	6 46	M	14 10	19	1½	2¼	11 P M 38	O	3 11	CAP	20
124	4	M.	4 35	E	6 47	M	14 12	19	2½	3	—	—	4 08	CAP	21
125	5	Tu.	4 34	E	6 49	M	14 15	19	3¼	4	12 A M 18	N	5 03	CAP	22
126	6	W.	4 33	E	6 50	M	14 17	19	4¼	5	12 50	M	5 56	AQR	23
127	7	Th.	4 31	E	6 51	M	14 20	19	5¼	6	1 19	L	6 47	AQR	24
128	8	Fr.	4 30	E	6 52	M	14 22	19	6¼	7	1 44	J	7 37	PSC	25
129	9	Sa.	4 29	E	6 53	M	14 24	19	7½	7¾	2 09	I	8 27	PSC	26
130	10	☉	4 28	E	6 54	M	14 26	19	8¼	8¾	2 34	G	9 17	ARI	27
131	11	M.	4 27	E	6 55	M	14 28	19	9¼	9¾	3 01	F	10 10	ARI	28
132	12	Tu.	4 26	E	6 56	M	14 30	19	10¼	10½	3 A M 33	D	11 A M 05	TAU	29
133	13	W.	4 25	E	6 57	M	14 32	20	11	11¼	sets	—	12 P M 03	TAU	0
134	14	Th.	4 23	E	6 58	M	14 35	20	0	—	9 P M 10	P	1 02	G'M	2
135	15	Fr.	4 22	E	6 59	M	14 37	20	0	0¾	10 06	P	2 01	G'M	3
136	16	Sa.	4 21	D	7 00	N	14 39	19	1	1½	10 51	O	2 57	CNC	4
137	17	☉	4 20	D	7 01	N	14 41	19	1¾	2¼	11 27	N	3 49	CNC	5
138	18	M.	4 19	D	7 02	N	14 43	19	2½	3¼	11 P M 55	M	4 37	LEO	6
139	19	Tu.	4 18	D	7 03	N	14 45	19	3½	4	—	—	5 21	LEO	7
140	20	W.	4 17	D	7 04	N	14 47	19	4¼	5	12 A M 19	L	6 03	VIR	8
141	21	Th.	4 17	D	7 05	N	14 48	19	5¼	5¾	12 41	K	6 43	VIR	9
142	22	Fr.	4 16	D	7 06	N	14 50	19	6¼	6¾	1 00	I	7 22	VIR	10
143	23	Sa.	4 15	D	7 07	N	14 52	19	7	7½	1 20	H	8 03	LIB	11
144	24	☉	4 14	D	7 08	N	14 54	19	8	8¼	1 40	G	8 45	LIB	12
145	25	M.	4 14	D	7 09	N	14 55	19	8¾	9	2 02	F	9 29	SCO	13
146	26	Tu.	4 13	D	7 10	N	14 57	19	9½	9¾	2 28	E	10 18	SCO	14
147	27	W.	4 12	D	7 11	N	14 59	19	10¼	10¼	2 A M 59	D	11 P M 10	SGR	15
148	28	Th.	4 11	D	7 12	N	15 01	19	11	11	rises	—	—	—	—
149	29	Fr.	4 11	D	7 13	N	15 02	18	11½	11¾	8 P M 43	P	12 A M 06	SGR	16
150	30	Sa.	4 10	D	7 13	N	15 03	18	—	0¼	9 35	O	1 04	CAP	17
151	31	☉	4 10	D	7 14	N	15 04	18	0½	1	10 P M 18	N	2 A M 02	CAP	18

MAY hath 31 days. [1953

The donkey, dull and dun in the morning road,
Not part of the brightness, here, not quick in the sun,
A piece of prose, a slow thing with a load . . .
(May God apply his mercy and his goad
To such another one!)

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Fr.	St. Phil. & James ♀ Stat. in R.A. {10.1 8.7 *Cloudy*	Many books have been written about apples, but the book we apple growers know best is the one that Mother Nature rewrites for us every season. We prune, fertilize, spray—pretty much according to chapter and verse (though there are always new wrinkles to the old tract), and hope for a good crop.
2	Sa.	☿ Gr. Hel. Lat. S. ☾ low Rides Kentucky Derby Hol. Calif. {10.2 8.7	
3	D	4th S. a. E. Invention of the Cross {10.1 8.6 *but*	
4	M.	Moses on Mt. Sinai 1491 B.C. Hol. R. I. {10.0 8.6 *not rowdy.*	
5	Tu.	Robins arr. at 35 deg. Buds unfold at 44 deg. Tides {9.9 8.8 *Clear.*	
6	W.	Peepers peep at 50 deg. Bees seek first pollen Tides {9.7 9.0 *Rain.*	
7	Th.	Humming birds await first flowers {9.7 9.4 *Lowery*	
8	Fr.	☾ on Eq. The Lexington sunk 1942 Tides {9.8 9.9 *and*	But between the time of the first swelling bud and the picking of the fruit may lie many evils, as they must for all whose business is growing things.
9	Sa.	Mother's Day is tomorrow Tides {9.9 10.4 *showery.*	
10	D	Rog. S. ☾ in Perl N.C., Hol. S.C. {10.1 10.9 *Nice*	Here is a partial list of the chief hazards of the orchardist: frost, snow, or prolonged cold at blossoming time, either killing the blossoms or preventing the bees from working; fungus disease (scab) and the onsets of a number of flies, moths, beetles and worms to be fought with sprays or dusts; drought or too much rain; hail or great winds (even hurricanes); porcupine, deer, raccoon and other animal damage as the fruit swells and sweetens; early frost before or at picking time; careless handling of fruit by inexperienced pickers; when winter comes on and snows deepen, the girdling of trees by mouse and rabbits, and a bit later the "budding" by partridge and other birds.
11	M.	The Three Chilly Saints Minor Rogation {10.2 11.3 *while*	
12	Tu.	☌ ☿ ☾ {10.2 11.5 *this*	
13	W.	☌ ♃ ☾ Underground Moon Tides {10.1 11.5 *fine*	
14	Th.	Asc. D. Holy Thurs. ☌ ♂ ☾ {— 9.8 *weather*	
15	Fr.	☾ runs high Goswold at New Bedford 1506 {11.3 9.5 *lingers,*	
16	Sa.	♀ in ♉ ☌ ☉ ☾ Armed Fcs. Day {10.9 9.2 *cross*	Occupational hazards—but we are not really thinking about them now. Rather we are sensing in this mellow May night that out beyond the water hole where the frogs are chirping our trees are about to blossom again.
17	D	1st S. a. Asc. American Day {10.3 8.8 *your*	
18	M.	Apple Trees Blossom Tides {9.8 8.5 *fingers.*	
19	Tu.	♀ Greatest Brilliancy Hol. Ore. Tides {9.2 8.4 *Clear.*	
20	W.	SHAVUOTH Hol. N.C. Tides {8.8 8.3 *Does*	
21	Th.	☿ in ♌ ☾ in Apo. Tides {8.4 9.4 *not*	
22	Fr.	☾ on Eq. Capt. Kidd gibbeted 1701 {8.2 8.5 *rain,*	
23	Sa.	[24th ☌ ☿ ☉ Sup. ☌ ☿ ♃] {8.1 8.8 *it*	
24	D	Pent. Whit Sunday ☌ ♃ ☉ {8.1 9.1 *pours.*	
25	M.	☌ ♆ ☾ ☌ ♄ ☾ Tides {8.2 9.4 *Clear.*	
26	Tu.	☾ in Peri. St. Augustine {8.3 9.7 *Murky,*	
27	W.	Ember Days 27-29-30th Tides {8.4 10.0 *misty,*	
28	Th.	Youth's Companion Fire 1885 Tides {9.3 10.2 *dirty,*	
29	Fr.	☾ rides low Block Island torpedoed 1944 {8.7 10.4 *and*	
30	Sa.	Memorial Day Tides {— 8.8 *sultry.*	
31	D	Trinity S. ☌ ♄ ♆ Tides {10.5 8.9	

ASTRONOMICAL CALCULATIONS.

☉'s Declination.

Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /
1	22N.05	7	22 46	13	23 13	19	23 26	25	23 23
2	22 13	8	22 52	14	23 17	20	23 27	26	23 22
3	22 20	9	22 57	15	23 19	21	23 27	27	23 19
4	22 27	10	23 02	16	23 22	22	23 27	28	23 17
5	22 34	11	23 06	17	23 23	23	23 26	29	23 14
6	22 40	12	23 10	18	23 25	24	23 25	30	23 10

☾ Last Quarter, 4th day, 12 h. 35 m., evening, W.

● New Moon, 11th day, 9 h. 55 m., morning, W.

☽ First Quarter, 19th day, 7 h. 01 m., morning, E.

○ Full Moon, 26th day, 10 h. 29 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	Key	☉ Sets. h. m.	Key	Length of Days. h. m.	Sun Fast. m.	Full Sea, Boston. Morn h.	Full Sea, Boston. Even h.	☽ Rises. h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Age
152	1	M.	4 09	D	7 15	N	15 06	18	1¼	2	10P M53	M	2A M59	CAP	19
153	2	Tu.	4 09	D	7 16	O	15 07	18	2	2¾	11 22	L	3 53	AQR	20
154	3	W.	4 08	C	7 16	O	15 08	18	3	3¾	11P M48	K	4 45	AQR	21
155	4	Th.	4 08	C	7 17	O	15 09	18	4	4½	—	—	5 34	PSC	22
156	5	Fr.	4 08	C	7 18	O	15 10	17	5	5½	12A M12	I	6 23	PSC	23
157	6	Sa.	4 07	C	7 19	O	15 12	17	6	6½	12 36	H	7 12	ARI	24
158	7	S.	4 07	C	7 19	O	15 12	17	7	7½	1 02	F	8 02	ARI	25
159	8	M.	4 07	C	7 20	O	15 13	17	8	8½	1 32	E	8 55	TAU	26
160	9	Tu.	4 07	C	7 20	O	15 13	17	9	9¼	2 06	D	9 51	TAU	27
161	10	W.	4 06	C	7 21	O	15 15	16	10	10¼	2A M49	C	10 49	G'M	28
162	11	Th.	4 06	C	7 22	O	15 16	16	10¾	11	sets	—	11A M47	G'M	0
163	12	Fr.	4 06	C	7 22	O	15 16	16	11½	11¾	8P M43	P	12P M44	CNC	1
164	13	Sa.	4 06	C	7 22	O	15 16	16	—	0½	9 23	O	1 38	CNC	2
165	14	S.	4 06	C	7 23	O	15 17	16	0½	1¼	9 55	M	2 28	LEO	3
166	15	M.	4 06	C	7 23	O	15 17	15	1¼	2	10 21	L	3 15	LEO	4
167	16	Tu.	4 06	C	7 24	O	15 18	15	2	2¾	10 43	K	3 58	LEO	5
168	17	W.	4 06	C	7 24	O	15 18	15	3	3½	11 04	J	4 39	VIR	6
169	18	Th.	4 06	C	7 24	O	15 18	15	3¾	4¼	11 23	I	5 18	VIR	7
170	19	Fr.	4 06	C	7 25	O	15 19	15	4½	5	11P M42	G	5 58	LIB	8
171	20	Sa.	4 06	C	7 25	O	15 19	14	5½	6	—	—	6 39	LIB	9
172	21	S.	4 07	C	7 25	O	15 18	14	6¼	6¾	12A M04	F	7 22	LIB	10
173	22	M.	4 07	C	7 25	O	15 18	14	7¼	7½	12 28	E	8 08	SCO	11
174	23	Tu.	4 07	C	7 26	O	15 19	14	8	8¼	12 56	D	8 59	SCO	12
175	24	W.	4 07	C	7 26	O	15 19	13	8¾	9	1 32	C	9 53	SGR	13
176	25	Th.	4 08	C	7 26	O	15 18	13	9¾	9¾	2A M16	B	10 51	SGR	15
177	26	Fr.	4 08	C	7 26	O	15 18	13	10½	10½	rises	—	11P M51	CAP	16
178	27	Sa.	4 08	C	7 26	O	15 18	13	11¼	11½	8P M14	O	—	—	—
179	28	S.	4 09	C	7 26	O	15 17	13	—	0	8 52	N	12A M50	CAP	17
180	29	M.	4 09	C	7 26	O	15 17	12	0¼	0¾	9 24	L	1 46	AQR	18
181	30	Tu.	4 10	C	7 26	O	15 16	12	1	1½	9P M52	K	2A M40	AQR	19

JUNE hath 30 days. [1953

Like a great bee.
Like a great, blundering bee,
I was, then —
Hovering, sending the starved gaze
Into the colored cups
If eye could find,
And store away for alchemy,
Something that might,
In knowledgable ways,
Turn honey for the mind.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.		
1	M.	NICOMEDE	Tides 10.5 9.1	*Heavy*
2	Tu.	☌☿☌ Supreme Court def. Pres. powers '52	10.4 9.2	*squall*
3	W.	Confederate Memorial Day	Hol. Fla., La., Miss., S.C., Tenn., Tex., Va. 10.2 9.4	
4	Th.	Corpus Christi	Underground Moon 10.0 9.6	*and*
5	Fr.	☿ Gr. Hel. Lat. N. ☾ on Eq.	☾ in Perl. 9.8 9.9	*that's*
6	Sa.	Invasion of Europe 1944	Tides 9.6 10.2	*not all.*
7	D	2nd S. a. ♆.	Tides 9.5 10.6	*Nasty.*
8	M.	☌☿☾ 42 Degrees 1932	Tides 9.5 10.9	*Warmer*
9	Tu.	Indians repulsed at Wells, Maine 1692	Tides 9.4 11.1	*and*
10	W.	☌♃☾ Boston Riot Broad St., 1837	9.4 11.1	*bright*
11	Th.	St. Barnabas ☾ runs high	Tides 9.4 11.1	*more*
12	Fr.	☌♂☾ Thoreau starts for Cape 1857	9.3 10.9	*summer-*
13	Sa.	☌☿☾ ☌♂☾	Tides — 9.2	*like.*
14	D	2nd S. a. ♏. Flag Day	Hol. Mo., Pa. 10.6 9.1	*Fair.*
15	M.	St. Bernard	Hol. Idaho Tides 10.2 8.9	*Guess*
16	Tu.	Sacred Heart ☌☿♁	Tides 9.7 8.8	*wot?*
17	W.	Bunker Hill 1775	Hol. Kty., Mass. 9.3 8.7	*It is*
18	Th.	☾ on Eq. ☾ in Apo.	Tides 8.8 8.7	*getting*
19	Fr.	♀ in Aph. Maximilian exec. 1867	Tides 8.4 8.7	*hot.*
20	Sa.	Longest days shortest nights	Hol. W. Va. 8.1 8.8	*Showers.*
21	D	3rd a. ♏. Summer begins	Pa's Day 8.0 8.9	*Calm*
22	M.	♀ Gr. El. W. [21st ☌♄☾☌♂☿☾]	7.9 9.2	*but*
23	Tu.	Witches delight in these summer nights	Tides 7.9 9.5	*cooler.*
24	W.	♄ in R.A. Stat. Cabot disc. N. Am. 1497	8.1 9.8	*Clear.*
25	Th.	☾ rides low. Salem Fire 1914	Tides 8.3 10.2	*Clear.*
26	Fr.	Invasion Moon	Tides 8.6 10.5	*Nice*
27	Sa.	☿ Gr. El. E. Korea 1950	Tides 8.9 10.8	*days*
28	D	5th S. a. ♆.	Tides — 9.2	*the*
29	M.	St. Peter	Marry today, good luck all the way	10.9 9.5
30	Tu.	☾ in Perl [29th ☿ in ♋]	10.9 9.8	*rule.*

We always liked June's tunes.

Farmer's Calendar.

Weeds and crops leap alike now, and the farmer must needs leap with them. There are not enough "rare" days in June for his busyness, and that is all he is concerned with.

Sayeth The Old Farmer for 1876, "The corn has come to the hoe and there is no time to lose. Weeds grow fast. Keep them under from the first. **It does not pay to raise weeds."** Well, live and learn.

Hay should usually be cut before the fifteenth, depending on the season. But take no chances on putting green or wet hay in the barn—particularly heavy clovers. Better to lose your crop than your barn.

Too late to plant your vegetable garden unless you get to it right away. Frost waits on no man's beans. See now that the cattle have a change of pasture if needed. With the heat of summer coming on, look to your hen houses. To control mites spray frequently with used motor oil. Use a good roost paint for the eradication of lice. Keep fresh water before your birds, scald feed hoppers frequently, and remove fresh droppings from under the roosts each morning. You can't have a healthy, laying flock in a dirty house.

Get out your lantern and your boat and your fish pole and be after the hornpouts come dark. "Pouts" are sweetest this month.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.

Days.	° ′	Days.	° ′	Days.	° ′	Days.	° ′	Days.	° ′
1	23 N. 06	7	22 34	13	21 49	19	20 49	25	19 37
2	23 02	8	22 28	14	21 40	20	20 38	26	19 24
3	22 57	9	22 21	15	21 30	21	20 27	27	19 11
4	22 52	10	22 13	16	21 20	22	20 15	28	18 57
5	22 47	11	22 05	17	21 10	23	20 03	29	18 43
6	22 41	12	21 57	18	21 00	24	19 50	30	18 28

☾ Last Quarter, 3rd day, 5 h. 03 m., evening, E.

● New Moon, 10th day, 9 h. 28 m., evening, E.

☽ First Quarter, 18th day, 11 h. 47 m., evening, W.

○ Full Moon, 26th day, 7 h. 20 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week.	☉ Rises. h. m.	Key	☉ Sets. h. m.	Key	Length of Days. h. m.	Sun Fast. m.	Full Sea, Boston. Morn h.	Full Sea, Boston. Even h.	☽ Rises. h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Age
182	1	W.	4 10	C	7 25	O	15 15	12	1¾	2½	10 P M 17	J	3 A M 31	PSC	20
183	2	Th.	4 11	C	7 25	O	15 14	12	2¾	3¼	10 41	H	4 20	PSC	21
184	3	Fr.	4 11	C	7 25	O	15 14	12	3¾	4¼	11 06	G	5 09	ARI	22
185	4	Sa.	4 12	C	7 25	O	15 13	11	4¾	5¼	11 P M 34	E	5 59	ARI	23
186	5	♋	4 12	C	7 25	O	15 13	11	5¾	6¼	—	—	6 50	TAU	24
187	6	M.	4 13	C	7 24	O	15 11	11	6¾	7	12 A M 06	D	7 44	TAU	25
188	7	Tu.	4 14	C	7 24	O	15 10	11	7¾	8	12 45	C	8 40	G'M	26
189	8	W.	4 14	C	7 24	O	15 10	11	8¾	9	1 32	B	9 37	G'M	27
190	9	Th.	4 15	C	7 23	O	15 08	11	9¾	10	2 A M 28	B	10 34	G'M	28
191	10	Fr.	4 16	C	7 23	N	15 07	11	10½	10¾	sets	—	11 A M 29	CNC	29
192	11	Sa.	4 17	D	7 22	N	15 05	10	11¼	11½	7 P M 55	N	12 P M 20	CNC	1
193	12	♋	4 17	D	7 22	N	15 05	10	—	0	8 23	M	1 08	LEO	2
194	13	M.	4 18	D	7 21	N	15 03	10	0¼	0¾	8 46	K	1 53	LEO	3
195	14	Tu.	4 19	D	7 21	N	15 02	10	1	1½	9 07	J	2 34	VIR	4
196	15	W.	4 20	D	7 20	N	15 00	10	1½	2	9 27	I	3 15	VIR	5
197	16	Th.	4 21	D	7 19	N	14 58	10	2¼	2¾	9 46	H	3 54	VIR	6
198	17	Fr.	4 21	D	7 19	N	14 58	10	3	3½	10 07	G	4 34	LIB	7
199	18	Sa.	4 22	D	7 18	N	14 56	10	3¾	4¼	10 29	F	5 16	LIB	8
200	19	♋	4 23	D	7 17	N	14 54	10	4¾	5	10 55	D	6 00	SCO	9
201	20	M.	4 24	D	7 16	N	14 53	10	5½	6	11 P M 26	C	6 48	SCO	10
202	21	Tu.	4 25	D	7 16	N	14 51	9	6½	6¾	—	—	7 40	SGR	11
203	22	W.	4 26	D	7 15	N	14 48	9	7½	7¾	12 A M 06	C	8 36	SGR	12
204	23	Th.	4 27	D	7 14	N	14 47	9	8¼	8½	12 56	B	9 34	SGR	13
205	24	Fr.	4 28	D	7 13	N	14 45	9	9¼	9½	1 57	B	10 34	CAP	14
206	25	Sa.	4 29	D	7 12	N	14 43	9	10	10¼	3 A M 08	C	11 P M 33	CAP	15
207	26	♋	4 30	D	7 11	N	14 41	9	10¾	11	rises	—	—	—	—
208	27	M.	4 31	D	7 10	N	14 39	9	11½	—	7 P M 53	L	12 A M 29	AQR	16
209	28	Tu.	4 32	E	7 09	M	14 37	9	0	0½	8 20	J	1 23	AQR	17
210	29	W.	4 33	E	7 08	M	14 35	9	0¾	1¼	8 45	I	2 14	PSC	18
211	30	Th.	4 34	E	7 07	M	14 33	9	1½	2	9 10	G	3 05	PSC	19
212	31	Fr.	4 35	E	7 06	M	14 31	9	2½	3	9 P M 37	F	3 A M 55	ARI	20

JULY hath 31 days. [1953

The blossoms, few and scattered, nearly hid
In the coarse grasses, were a meadow secret;
A hurrying passer-by might well pass by
And on, and never guess. They made no bid
For being seen by the too busy eye . . .
Even an idle wanderer in the meadow
Might miss the small and few and nearly hid
In the coarse grasses, there. I nearly did.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	W.	First Toll Erie Canal 1820 Tides {10.8 9.9 *Fine*	New York, Minneapolis, Palm Beach, Los Angeles, or Punkin Corners—it doesn't matter where we live—this month we will be glad of our shade trees. When the thermometer tops ninety about the best friends we've got, along with water and green grass, are these fine old trees and the sweet, cool shade of them.
2	Th.	Visitation of Mary ☾ on Eq. Tides {10.5 10.1 *for*	
3	Fr.	♆ Stat. SS United States in R.A. Maiden Voyage '52 {10.1 10.1 *hay*	
4	Sa.	Independence Day Tides {9.7 10.2 *and*	
5	D	6th S. a. ☽. ⊕ in Aph. {9.3 10.8 *vegeta-*	
6	M.	Life with Father began 1933 Tides {9.0 10.4 *tion or*	Lots of communities we know are interested in trees. Interested in cutting them down, that is. But for the philosophy of the clean stump: "That's that," we can't say a thing. We'd like to hear more often the bright hope for the young sapling just planted: "This will be." Yes, this will be a great tree for our children's children—a tree of shade, and beauty, and civic pride.
7	Tu.	St. Frances Cabrini ♂♀☾ Tides {8.8 10.5 *a nice*	
8	W.	♂♅☾ ♂☌☉ ☾ runs high. {8.8 10.6 *long*	
9	Th.	☿ in Aph. Philadelphia Fire 1850 {8.9 10.6 *vacation.*	
10	Fr.	☿ Stat. in R.A. ☉ Partial Eclipse ♂♄♆ {8.9 10.6 *Rain.*	
11	Sa.	♂☊☉ [10th ♂☌☾ ♂☊☾] {9.0 10.5	
12	D	6th S. a. ♉. ♀ Gr. Hel. Lat. S. ♂☌☊ {— 9.1	
13	M.	□♄☉ □♆☉ [12th ♂☿☾] {10.8 9.1	
14	Tu.	Bastile Day The Campanile Fell 1902 {10.0 9.2 *Under*	Certainly most of us know a joy in trees, and when we travel about—through our magazines or on vacations—the elms in the other fellow's town, the great red woods of California, the pines of Maine—beautiful trees everywhere—are things that stay in our memories as long as anything we have seen. But we tend to take our own trees for granted and shrug off their loss by disease or to new building developments as something inevitable—or at least not our concern.
15	W.	St. Swith. Dog Days Begin Tides {9.7 9.1 *a*	
16	Th.	☾ on Eq. ☾ in Apo. Tides {9.3 9.1 *tree*	
17	Fr.	Jas. Whistler Died 1903 Tides {8.9 9.0 *is no*	
18	Sa.	♂♆☾ ♂♄☾ Tides {8.5 9.0 *place*	
19	D	7th S. a. ♉. Tides {8.1 9.0 *to*	
20	M.	St. Margaret Tides {7.9 9.0 *be.*	
21	Tu.	Lowest Morning High Tide of Year Tides {7.7 9.2 *Showers.*	
22	W.	M. Magdalene ♂♀♅ {7.7 9.5 *Cool*	
23	Th.	☾ rides low. S.A.G. on Letters 1729 {8.0 9.9 *and*	
24	Fr.	Detroit FD. 1701 Hol. Utah Tides {8.4 10.4 *bracing,*	
25	Sa.	St. James ♂☿☉ Inf. {8.9 10.8 *streams*	
26	D	9th a. ☽. ☾ Total Eclipse Tides {9.4 11.1 *are*	
27	M.	Wright Flight Over 1 hr. 1909 Tides {9.9 11.3 *racing.*	
28	Tu.	♂☿♂ ☾ in Peri. Tides {— 10.8 *Fair.*	
29	W.	☿ Stat. in R.A. ☾ on Eq. Tides {11.3 10.6 *Fogs*	
30	Th.	Pony Penning Day Assateague, Va. Tides {11.0 10.7 *over*	When will we learn that these trees of ours don't stand for us as rich uncles? We inherit nothing in their dying. But we are planting nothing in their place.
31	Fr.	First American Patent Issued 1790 {10.6 10.6 *the bogs.*	

ASTRONOMICAL CALCULATIONS.

☉'s Declination.	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /	Days	0 /
	1	17N.59	7	16 23	13	14 37	19	12 43	25	10 42
	2	17 44	8	16 06	14	14 19	20	12 24	26	10 21
	3	17 28	9	15 48	15	14 00	21	12 04	27	10 01
	4	17 12	10	15 31	16	13 41	22	11 44	28	9 39
	5	16 56	11	15 13	17	13 22	23	11 23	29	9 18
	6	16 40	12	14 55	18	13 03	24	11 03	30	8 57

☾ Last Quarter, 1st day, 10 h. 16 m., evening, E.
● New Moon, 9th day, 11 h. 10 m., morning, W.
☽ First Quarter, 17th day, 3 h. 08 m., evening, W.
○ Full Moon, 24th day, 3 h. 21 m., evening, E.
☾ Last Quarter, 31st day, 5 h. 46 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	Key	☉ Sets. h. m.	Key	Length of Days. h. m.	Sun Fast. m.	Full Sea, Boston. Morn h.	Full Sea, Boston. Even h.	☽ Rises. h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Age
213	1	Sa.	4 36	E	7 05	M	14 29	10	3¼	3¾	10PM08	D	4AM47	ARI	21
214	2	S.	4 37	E	7 03	M	14 26	10	4¼	4¾	10 45	C	5 40	TAU	22
215	3	M.	4 38	E	7 02	M	14 24	10	5¼	5¾	11PM29	B	6 35	TAU	23
216	4	Tu.	4 39	E	7 01	M	14 22	10	6½	6¾	—	—	7 32	G'M	24
217	5	W.	4 40	E	7 00	M	14 20	10	7½	7¾	12AM22	B	8 28	G'M	25
218	6	Th.	4 41	E	6 59	M	14 18	10	8½	8¾	1 21	B	9 23	CNC	26
219	7	Fr.	4 42	E	6 57	M	14 15	10	9½	9½	2 25	C	10 15	CNC	28
220	8	Sa.	4 43	E	6 56	M	14 13	10	10¼	10½	3AM31	D	11 04	LEO	29
221	9	S.	4 44	E	6 55	M	14 11	10	11	11	sets	—	11AM49	LEO	0
222	10	M.	4 45	E	6 53	L	14 08	10	11½	11¾	7PM12	K	12PM32	LEO	1
223	11	Tu.	4 46	F	6 52	L	14 06	11	—	0¼	7 32	J	1 12	VIR	2
224	12	W.	4 47	F	6 51	L	14 04	11	0½	0¾	7 52	H	1 52	VIR	3
225	13	Th.	4 48	F	6 49	L	14 01	11	1	1½	8 11	G	2 32	LIB	4
226	14	Fr.	4 49	F	6 48	L	13 59	11	1¾	2¼	8 33	F	3 12	LIB	5
227	15	Sa.	4 50	F	6 46	L	13 56	11	2½	2¾	8 57	E	3 55	SCO	6
228	16	S.	4 51	F	6 45	L	13 54	12	3¼	3½	9 25	D	4 40	SCO	7
229	17	M.	4 53	F	6 43	L	13 50	12	4	4½	10 01	C	5 30	SCO	8
230	18	Tu.	4 54	F	6 42	L	13 48	12	5	5¼	10 45	B	6 22	SGR	9
231	19	W.	4 55	F	6 40	L	13 45	12	5¾	6¼	11PM39	B	7 18	SGR	10
232	20	Th.	4 56	F	6 39	L	13 43	12	6¾	7¼	—	—	8 17	CAP	11
233	21	Fr.	4 57	F	6 37	L	13 40	13	7¾	8	12AM44	C	9 15	CAP	12
234	22	Sa.	4 58	F	6 36	L	13 38	13	8¾	9	1 58	D	10 12	AQR	13
235	23	S.	4 59	F	6 34	K	13 35	13	9½	10	3AM16	E	11PM08	AQR	14
236	24	M.	5 00	G	6 32	K	13 32	13	10½	10¾	rises	—	—	—	—
237	25	Tu.	5 01	G	6 31	K	13 30	14	11¼	11½	6PM45	I	12AM01	PSC	16
238	26	W.	5 02	G	6 29	K	13 27	14	—	0	7 11	H	12 54	PSC	17
239	27	Th.	5 03	G	6 28	K	13 25	14	0½	0¾	7 39	F	1 46	ARI	18
240	28	Fr.	5 04	G	6 26	K	13 22	15	1¼	1¾	8 09	E	2 39	ARI	19
241	29	Sa.	5 05	G	6 24	K	13 19	15	2¼	2½	8 45	C	3 33	TAU	20
242	30	S.	5 06	G	6 23	K	13 17	15	3	3½	9PM27	B	4 30	TAU	21
243	31	M.	5 07	G	6 21	K	13 14	15	4	4½	10 18	B	5AM27	G'M	22

AUGUST hath 31 days. [1953

The hill shuts out the sky
To eastward . . . In the west
Another thrusting crest
Stops the adventurous eye. —
And zenith is too high.

Eye roams the road along
The low field, being fond
Of the blue wood beyond,
And rests to make a song
Of love — a valley song
Of love.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Sa.	Lammas Day Hol. Col. Tides {10.0 10.4}	Good
2	D	10th S.a.☽. Tides {9.4 10.2}	time
3	M.	Sodam & Gomorrah Overthrown Tides {8.9 10.1}	for
4	Tu.	☿ Stat. in RA. ☌♃☾ {8.5 10.0}	vacation
5	W.	☌☿☾ ☾runs high Tides {8.4 10.0}	all
6	Th.	TRANSFIGURATION Tides {8.4 10.0}	over
7	Fr.	Name of Jesus ☌☉ ☾ ☌☿☾ {8.6 10.1}	the na-
8	Sa.	☌♂☾ Rocket Alt. Record 1951. 133.5 Miles {8.8 10.1}	tion.
9	D	10th a.♏. ☉Partial Eclipse {9.0 10.1}	Fair.
10	M.	St. Laurence Watch for His tears {9.2 10.0}	Fair.
11	Tu.	Hay fever season Goldrush 1897 Tides {— 9.3}	Rain
12	W.	☾ on Eq. J. P. Kennedy, Jr. K. 1944 {9.8 9.4}	at
13	Th.	☿ Gr. El. W ☾ in Apo Tides {9.6 9.4}	night,
14	Fr.	Victory Day [15th ☌♆☾] Hol. R.I. {9.3 9.4}	
15	Sa.	Assump. ☌♄☾ ☌☾☉ {8.9 9.3}	days
16	D	11th a.♏. Battle of Bennington, Vt. {8.4 9.2}	clear
17	M.	☿ in ♌ Nancy Hanks in 2.07½-1892 Tides {8.1 9.1}	and
18	Tu.	"To Die for Liberty is a Pleasure-Not a Pain" {7.8 9.1}	bright.
19	W.	☾rides low Five hang for Witchcraft 1692 {7.7 9.2}	Storms.
20	Th.	Cleveland Indians defeated 1794 Tides {7.9 9.5}	Clear
21	Fr.	1765-David Wheeler made Boston's 1st complete fire engine {8.3 10.0}	
22	Sa.	☿ in Peri ☌☿☉ {8.8 10.5}	nights rainy
23	D	13th a.☽. ☌☿♂ Tides {9.5 11.0}	days.
24	M.	St. Bartholomew Tides {10.1 11.3}	Stormy.
25	Tu.	☾ on Eq. ☾ in Peri Tides {10.7 11.5}	Changeable
26	W.	Up to 1899, U.S.: had been in 2607 scraps. Every day Tides {— 11.1}	
27	Th.	In year, including Feb. 29 is anniversary of some bloody contest {11.4 11.3}	
28	Fr.	Dog Days end Tides {11.0 11.2}	but favor-
29	Sa.	John the Baptist beheaded Hol. Calif. {10.5 10.9}	able.
30	D	14th af.☽. St.Fiac. Hol. La. {9.8 10.5}	Nice
31	M.	Moon has two last quarters this month. Tides {9.1 10.1}	days.

A nation's agriculture and the start of her wars, if she be the aggressor, are very much tied together. Dictators and war lords want the granary full before lighting the powder keg. And, of course, late August and early September are the times for grain harvest. That we bear this in mind is in no sense a prediction of war, but simply a reminder that this is a dangerous month on the war calendar.

But to the work on the farm. August is a "breather" month that may give us a chance to catch up on things that we have been able to pass over but not forget. So we come back to the old themes of the removal of walls and the cutting of brush. How much easier and more economical to cultivate or hay one large field, unbroken by walls, than four little fields adding up to the same area, each wall-bounded. Bulldozers push away or bury walls incredibly fast. Of course, stone walls have their place, and always will, to enclose pasture. They never wear out or rot—the most economical fences in the world.

Brush encroaches slowly but surely from the fence or wall edges into all our fields. August is the best month to cut around these edges and win back our "lost" acres. Flame throwers are excellent to follow up and prevent resprouting.

But brush, like walls, has its place. Never cut it where you do not really have to. It is the natural home and shelter of much of our wild life.

1953] SEPTEMBER, NINTH MONTH.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.

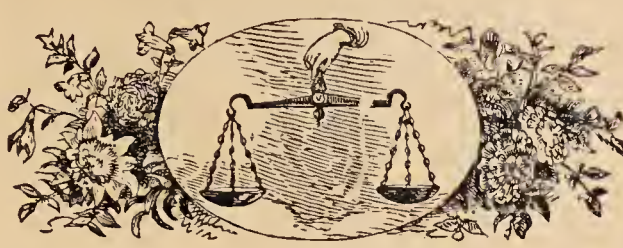
Days.	0 /	Days.	0 /	Days	0 /	Days.	0 /	Days.	0 /
1	8N.13	7	6 00	13	3 44	19	1 25	25	0 55
2	7 51	8	5 38	14	3 21	20	1 02	26	1 19
3	7 30	9	5 15	15	2 58	21	0 38	27	1 42
4	7 07	10	4 52	16	2 35	22	0N.15	28	2 05
5	6 45	11	4 30	17	2 11	23	0s. 09	29	2 29
6	6 23	12	4 07	18	1 48	24	0 32	30	2 52

● New Moon, 8th day, 2 h. 47 m., morning, E.
☽ First Quarter, 16th day, 4 h. 49 m., morning, E.
○ Full Moon, 22nd day, 11 h. 15 m., evening, W.
☾ Last Quarter, 29th day, 4 h. 51 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	Key	☉ Sets. h. m.	Key	Length of Days. h. m.	Sun Fast. m.	Full Sea. Boston. Morn h.	Full Sea. Boston. Even h.	☽ Rises. h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Age
244	1	Tu.	5 08	G	6 19	K	13 11	16	5	5½	11P M15	B	6A M24	G'M	23
245	2	W.	5 09	G	6 18	K	13 09	16	6¼	6½	—	—	7 19	CNC	24
246	3	Th.	5 11	G	6 16	K	13 05	16	7¼	7½	12A M18	C	8 12	CNC	25
247	4	Fr.	5 12	G	6 14	K	13 02	17	8¼	8½	1 23	D	9 01	LEO	26
248	5	Sa.	5 13	H	6 12	J	12 59	17	9¼	9¼	2 28	E	9 47	LEO	27
249	6	♋	5 14	H	6 11	J	12 57	17	9¾	10	3 32	F	10 30	LEO	28
250	7	M.	5 15	H	6 09	J	12 54	18	10½	10¾	4A M33	G	11 11	VIR	29
251	8	Tu.	5 16	H	6 07	J	12 51	18	11	11¼	sets	—	11A M51	VIR	0
252	9	W.	5 17	H	6 05	J	12 48	18	11¾	—	6P M17	H	12 31	LIB	1
253	10	Th.	5 18	H	6 04	J	12 46	19	0	0¼	6 38	F	1P M11	LIB	2
254	11	Fr.	5 19	H	6 02	J	12 43	19	0½	0¾	7 01	E	1 53	LIB	3
255	12	Sa.	5 20	H	6 00	J	12 40	20	1¼	1½	7 28	D	2 37	SCO	4
256	13	♋	5 21	H	5 58	J	12 37	20	2	2¼	8 00	C	3 24	SCO	6
257	14	M.	5 22	H	5 57	J	12 35	20	2¾	3	8 40	C	4 15	SGR	7
258	15	Tu.	5 23	H	5 55	J	12 32	21	3½	3¾	9 29	B	5 08	SGR	8
259	16	W.	5 24	H	5 53	J	12 29	21	4¼	4¾	10 28	B	6 04	CAP	9
260	17	Th.	5 25	I	5 51	I	12 26	21	5¼	5¾	11P M36	C	7 00	CAP	10
261	18	Fr.	5 26	I	5 50	I	12 24	22	6¼	6¾	—	—	7 56	CAP	11
262	19	Sa.	5 28	I	5 48	I	12 20	22	7¼	7¾	12A M50	D	8 51	AQR	12
263	20	♋	5 29	I	5 46	I	12 17	22	8¼	8¾	2 07	F	9 45	AQR	13
264	21	M.	5 30	I	5 44	I	12 14	23	9¼	9½	3A M26	G	10 38	PSC	14
265	22	Tu.	5 31	I	5 42	I	12 11	23	10	10½	rises	—	11P M30	PSC	15
266	23	W.	5 32	I	5 41	I	12 09	23	10¾	11¼	5P M37	G	—	—	—
267	24	Th.	5 33	I	5 39	I	12 06	24	11½	—	6 07	F	12A M24	ARI	16
268	25	Fr.	5 34	I	5 37	I	12 03	24	0	0½	6 41	D	1 20	TAU	17
269	26	Sa.	5 35	I	5 35	I	12 00	24	1	1¼	7 22	C	2 17	TAU	18
270	27	♋	5 36	I	5 34	I	11 58	25	1¾	2	8 11	B	3 16	G'M	19
271	28	M.	5 37	I	5 32	H	11 55	25	2¾	3	9 08	B	4 16	G'M	20
272	29	Tu.	5 38	J	5 30	H	11 52	25	3¾	4	10 11	B	5 13	CNC	21
273	30	W.	5 39	J	5 28	H	11 49	26	4¾	5	11P M16	C	6A M08	CNC	22

SEPTEMBER hath 30 days. [1953



Beauty was stubborn in the flower.
Suffering all things, wind and chill,
Her lord's, the sun's, declining power,
And a wrong season, beauty still
Stood in her lovely will.

So, one day . . . so, another day,
Till the hordes came too harshly down
For any valiant thing to stay —
Save in the mind: this sweet renown
Of a most gallant town.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	
1	Tu.	☌☽☾ ☿ Gr. Hei. Lat. N. ☾ runs high {8.5 9.7	*Yellow*
2	W.	[1st Great magnetic storms 1859] Tides {8.2 9.5	*and*
3	Th.	☌☉☾ Singapore again Br. 1945 Tides {8.1 9.4	*hazy,*
4	Fr.	☌♀☾ Hudson Disc. Hudson, R. 1609 {8.3 9.5	*fine*
5	Sa.	Ocean vampire caught Delaware Bay 1823 (9th) {8.6 9.6	*and*
6	D	14th a. ☾. ☌♂☾ ♀in♌ {8.9 9.6	*lazy.*
7	M.	Labor Day ☌☿☉ Snp. {9.2 9.6	*Stormy.*
8	Tu.	Virgin Mary ☌☿☾ ☾ on Eq. {9.4 9.6	*Cool.*
9	W.	☾ In Apo. Galveston Hurr. 1900 Hol. Calif. {9.6 9.5	*Clouds*
10	Th.	Rosh Hashanah Tides {— 9.7	*up-*
11	Fr.	☌♆☾ ☌♄☾ Tides {9.3 9.7	*stairs*
12	Sa.	Royal William 1st str. across Atlantic 1833 Hol. Md. {9.1 9.6	*bring*
13	D	15th a. ☾. Pershing B. 1860 Tides {8.7 9.5	*heavy*
14	M.	Holy Cross Elections Maine Tides {8.4 9.4	*airs.*
15	Tu.	Star Spangled Banner composed 1814 (14th) Tides {8.1 9.2	*Fine.*
16	W.	☾ rides low. Ember days 16, 18, 19th. Hol. Okla. {7.9 9.2	*Tem-*
17	Th.	St. Lambert Constitution Day {7.9 9.2	*peratures*
18	Fr.	□☌☉ Gale in south 1813 Tides {8.2 9.5	*are*
19	Sa.	Yom Kippur Atonement ☌ Gr. Hei. Lat. N. Tides {8.7 10.0	*low,*
20	D	17th a. ♇. Panic of 1873 {9.4 10.5	*did you see*
21	M.	St. Matthew N. E. Hurr. 1938 Tides {10.1 11.0	*the*
22	Tu.	☾ on Eq. ☾ in Peri. Harvest Moon {10.8 11.3	*rainbow?*
23	W.	Autumn begins 3.07 A.M. ☉en.♎ Tides {11.4 11.4	
24	Th.	First Day Succoth Mt. Auburn Consecr. 1831 {11.7 —	*Now*
25	Fr.	☿in♍ American Indian Day {11.2 11.7	*beware*
26	Sa.	Nights again equal days Tides {10.8 11.5	*of hurri-*
27	D	18th a. ♇. D.S.T. ends {10.2 11.0	*canes*
28	M.	☌☽☾ ☾ runs high Tides {9.5 10.4	*and*
29	Tu.	St. Michael & All Angels Tides {8.8 9.8	
30	W.	☌☿♆ ☌☉☾ Tides {8.3 9.3	*rain.*

Eight hours of sleep is enough for young and old.

Farmer's Calendar.

The vineyards of California and New York State are greatly to be admired, but to a New Englander the Concord grape is especially his own—bred in the heart of New England, Concord, Massachusetts. Here is the story, briefly, of the finest grape in the world, and its originator.

Ephraim Bull moved from Boston to Concord for his health's sake and bought a house next to Nathaniel Hawthorne's in 1838. He started improving his health by rambles about his estate, and one day fouud a wild grape vine—the Northern Fox. Its vigorous quality took his fancy and he gathered a number of the grapes. These he planted whole at a depth of two inches. After nursing the resultant vines for six years, he finally obtained many varieties. Only one, which he called the Concord, did he deem worthy of cultivation. On Sept. 10, 1849, he got his first bunch of Concord grapes. Not only were they soft of skin, large and attractive, a striking blue, but they ripened early—just right for New England that had a season shortened at both ends by late and early frosts. A few years after he was selling thousands of seedlings at $5 each. He guaranteed that his gold leaf would not rust or his grapes rot or fall off the vines—and to this day the true Concord properly grown does not.

(Condensed in part from an article by Helen Buckley in the New England Homestead.)

ASTRONOMICAL CALCULATIONS.

☉'s Declination.

Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /
1	3s. 15	7	5 35	13	7 50	19	10 03	25	12 10
2	3 38	8	5 57	14	8 13	20	10 24	26	12 30
3	4 02	9	6 20	15	8 35	21	10 46	27	12 51
4	4 25	10	6 43	16	8 57	22	11 07	28	13 11
5	4 48	11	7 05	17	9 19	23	11 28	29	13 31
6	5 11	12	7 28	18	9 41	24	11 49	30	13 51

● New Moon, 7th day, 7 h. 40 m., evening, E.

☽ First Quarter, 15th day, 4 h. 44 m., evening, W.

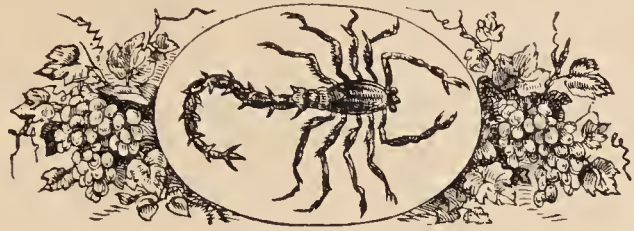
○ Full Moon, 22nd day, 7 h. 56 m., morning, E.

☾ Last Quarter, 29th day, 8 h. 09 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	Key	☉ Sets. h. m.	Key	Length of Days. h. m.	Sun Fast. m.	Full Sea, Boston. Morn h.	Full Sea, Boston. Even h.	☽ Rises. h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Age
274	1	Th.	5 40	J	5 27	H	11 47	26	$5\frac{3}{4}$	6	—	—	$6^{A}_{M}58$	CNC	23
275	2	Fr.	5 42	J	5 25	H	11 43	26	7	$7\frac{1}{4}$	$12^{A}_{M}21$	E	7 46	LEO	24
276	3	Sa.	5 43	J	5 23	H	11 40	27	$7\frac{3}{4}$	8	1 25	F	8 29	LEO	25
277	4	S.	5 44	J	5 21	H	11 37	27	$8\frac{3}{4}$	9	2 27	G	9 11	VIR	26
278	5	M.	5 45	J	5 20	H	11 35	27	$9\frac{1}{4}$	$9\frac{1}{2}$	3 27	H	9 51	VIR	27
279	6	Tu.	5 46	J	5 18	H	11 32	28	10	$10\frac{1}{4}$	$4^{A}_{M}27$	I	10 30	VIR	28
280	7	W.	5 47	J	5 16	H	11 29	28	$10\frac{1}{2}$	11	sets	—	11 10	LIB	29
281	8	Th.	5 48	J	5 15	H	11 27	28	11	$11\frac{1}{2}$	$5^{P}_{M}07$	F	$11^{A}_{M}52$	LIB	1
282	9	Fr.	5 49	J	5 13	G	11 24	28	$11\frac{3}{4}$	—	5 32	E	$12^{P}_{M}36$	SCO	2
283	10	Sa.	5 51	K	5 11	G	11 20	29	0	$0\frac{1}{4}$	6 03	D	1 22	SCO	3
284	11	S.	5 52	K	5 10	G	11 18	29	$0\frac{3}{4}$	1	6 40	C	2 11	SGR	4
285	12	M.	5 53	K	5 08	G	11 15	29	$1\frac{1}{2}$	$1\frac{1}{2}$	7 26	B	3 03	SGR	5
286	13	Tu.	5 54	K	5 06	G	11 12	29	$2\frac{1}{4}$	$2\frac{1}{2}$	8 21	B	3 57	SGR	6
287	14	W.	5 55	K	5 05	G	11 10	30	3	$3\frac{1}{4}$	9 23	C	4 52	CAP	7
288	15	Th.	5 56	K	5 03	G	11 07	30	4	$4\frac{1}{4}$	10 33	D	5 46	CAP	8
289	16	Fr.	5 57	K	5 02	G	11 05	30	$4\frac{3}{4}$	$5\frac{1}{4}$	$11^{P}_{M}46$	E	6 40	AQR	9
290	17	Sa.	5 59	K	5 00	G	11 01	30	$5\frac{3}{4}$	$6\frac{1}{4}$	—	—	7 32	AQR	10
291	18	S.	6 00	K	4 58	G	10 58	31	$6\frac{3}{4}$	$7\frac{1}{4}$	$1^{A}_{M}01$	F	8 23	PSC	11
292	19	M.	6 01	K	4 57	G	10 56	31	$7\frac{3}{4}$	$8\frac{1}{4}$	2 17	H	9 15	PSC	12
293	20	Tu.	6 02	K	4 55	G	10 53	31	$8\frac{3}{4}$	$9\frac{1}{4}$	3 35	I	10 07	ARI	13
294	21	W.	6 04	K	4 54	G	10 50	31	$9\frac{1}{2}$	10	$4^{A}_{M}54$	K	11 02	ARI	14
295	22	Th.	6 05	L	4 52	F	10 47	31	$10\frac{1}{2}$	11	rises	—	$11^{P}_{M}59$	TAU	15
296	23	Fr.	6 06	L	4 51	F	10 45	32	$11\frac{1}{4}$	$11\frac{3}{4}$	$5^{P}_{M}13$	D	—	—	—
297	24	Sa.	6 07	L	4 49	F	10 42	32	—	0	6 00	B	$12^{A}_{M}59$	TAU	16
298	25	S.	6 08	L	4 48	F	10 40	32	$0\frac{1}{2}$	$0\frac{3}{4}$	6 55	B	2 00	G'M	17
299	26	M.	6 09	L	4 46	F	10 37	32	$1\frac{1}{2}$	$1\frac{3}{4}$	7 58	B	3 00	G'M	18
300	27	Tu.	6 11	L	4 45	F	10 34	32	$2\frac{1}{4}$	$2\frac{3}{4}$	9 04	C	3 58	CNC	19
301	28	W.	6 12	L	4 44	F	10 32	32	$3\frac{1}{4}$	$3\frac{1}{2}$	10 10	D	4 52	CNC	20
302	29	Th.	6 13	L	4 42	F	10 29	32	$4\frac{1}{4}$	$4\frac{1}{2}$	$11^{P}_{M}16$	E	5 41	LEO	21
303	30	Fr.	6 14	L	4 41	F	10 27	32	$5\frac{1}{4}$	$5\frac{1}{2}$	—	—	6 27	LEO	22
304	31	Sa.	6 16	L	4 40	F	10 24	32	$6\frac{1}{4}$	$6\frac{1}{2}$	$12^{A}_{M}19$	G	$7^{A}_{M}09$	LEO	23

OCTOBER hath 31 days. [1953



The day was like a dream
Of day, sunny and mild,
From which no thing awoke.

Weightless, it came to seem
Like something that a child
Thought, once, and never spoke.

A painter might have made
The day's too delicate glow,
Or a poet, for his book;

In our violent parade,
It had, just so,
The other, happy look.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Th.	Scallop season opens Tides 8.1 9.0	*Cloudy*
2	Fr.	Simchath Torah Tides 8.1 8.0	*only*
3	Sa.	☌☿♄ [4th ☌♀♂] Tides 8.3 8.9	*by*
4	D	18th a. ♎. St. Francis D'Assissi Tides 8.7 9.0	
5	M.	☌☌☾☌♀☾ ☿ in Aph. ☾ on Eq. 9.0 9.1	*turns.*
6	Tu.	☾ In ☌ Apo Talkies first popular 1927 Tides 9.8 9.1	
7	W.	Gen. Grant Statue unveiled N.Y.C. 1891 9.5 9.1	*Finest*
8	Th.	☌Ψ☾ Chicago fire 1871 Tides 9.7 9.1	
9	Fr.	☌♄☾ ☌☿☾ Tides 9.8 —	*clearest*
10	Sa.	♀ in ☌ Peri Trees are Blushing Hol. Okla. Tides 9.0 9.8	
11	D	19th a. ♎. D.A.R. organized 1890 8.8 9.8	*zip-*
12	M.	Columbus Day Hol. N.D., Wisc. 8.5 9.7	*piest*
13	Tu.	☾ rides low. Cranberries harvested Tides 8.3 9.6	*days*
14	W.	Dismal Swamp Canal opened 1899 Tides 8.1 9.4	
15	Th.	♐ Stat. in R.A. Boston's first bldg. law 1679 8.1 9.3	*of*
16	Fr.	□☉☉ Milwaukee Fd. 1745 Tides 8.2 9.3	
17	Sa.	☌Ψ☉ Chopin died 1849 Tides 8.6 9.5	*this*
18	D	21st a. ♓. St. Luke, Ev. Tides 9.2 9.9	
19	M.	☾ on ☌ Eq. Bad floods, Va. Wash., Md. 1942 9.9 10.3	*year.*
20	Tu.	Grace Darling, sea heroine, died 1842 Tides 10.6 10.6	*Clear.*
21	W.	☾ in ☌ Peri. Old Ironsides launched 1797 11.8 10.9	*Clear.*
22	Th.	Hunter's Moon [23rd ☌♄☉] 11.7 10.9	*Clear.*
23	Fr.	☿ Gr. El. ☌ E. Year's highest tides 11.9 10.7	*Rains*
24	Sa.	[25th ☿ Cr. Hel. ☌ Lat. S. ♂ in ☌ Aph. ☾ runs high] — 11.8	
25	D	22nd a. ♓. Christ the King 10.3 11.5	*are cold,*
26	M.	☌♐☾ 25 degrees 1879 Tides 9.8 10.9	
27	Tu.	N.Y. subway opened-City Hall to 145th-1904 9.2 10.3	*winds*
28	W.	St. Simon St. Jude ☌☉☾ 8.7 9.6	*are*
29	Th.	☉ Stat. in R.A. Stock Market crash '29 Tides 8.3 9.0	
30	Fr.	De Soto discovered Mississ. river 1528 Tides 8.2 8.6	*bold.*
31	Sa.	All Hallow's Eve Hol. Nev. 8.2 8.4	*Clear.*

How many of us have never been the victim of some fraud or confidence racket? The business may be as simple and painless as the extraction of your dime by the bum who wants to buy "a cup of coffee." But fraud can be infinitely higher-priced, bolder, or more ingenious than that.

Realizing that millions of dollars are annually taken from farmers by fraud, the **Rural New-Yorker** offers in its "Publisher's Desk" column a unique service. It exposes fraud for free—and more, it is frequently able to get money returned to the victim. By exposing fraudulent companies or individuals it opens the way for the bloodhounds of the law. Ironically, however, it reveals the ease with which frauds can operate year after year in their chosen racket though well known to the law as old offenders. We quote from the "Publisher's Desk."

"Again David S. Wright, proprietor of the Lake Shore Feed Company of Dunkirk, N. Y., has been fined—this time $3,000—for violation of the U. S. law in shipping mislabeled and impure seeds in interstate commeree. Mr. Wright has been found guilty of this same offense seven times in nine years and fined a total of $10,500. The Judge warned Mr. Wright to 'stop this performance.' At his last trial Mr. Wright indicated he would close up his business, but he still continued it, although he admits the frequent court appearanees are humiliating to him."

1953] NOVEMBER, ELEVENTH MONTH.

ASTRONOMICAL CALCULATIONS.

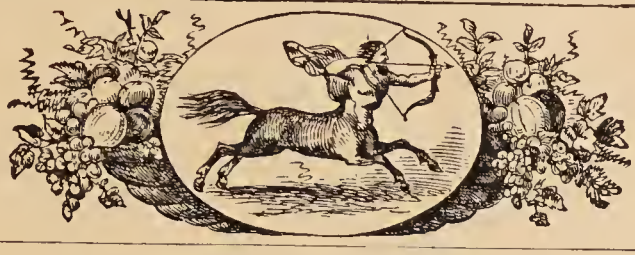
☉'s Declination.	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /
	1	14s. 29	7	16 19	13	18 01	19	19 30	25	20 47
	2	14 49	8	16 37	14	18 17	20	19 44	26	20 59
	3	15 07	9	16 55	15	18 32	21	19 57	27	21 10
	4	15 26	10	17 12	16	18 47	22	20 10	28	21 21
	5	15 44	11	17 28	17	19 02	23	20 23	29	21 31
	6	16 02	12	17 44	18	19 16	24	20 35	30	21 41

● New Moon, 6th day, 12 h. 58 m., evening, W.
☽ First Quarter, 14th day, 2 h. 52 m., morning, E.
○ Full Moon, 20th day, 6 h. 12 m., evening, E.
☾ Last Quarter, 28th day, 3 h. 16 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	Key	☉ Sets. h. m.	Key	Length of Days. h. m.	Sun Fast. m.	Full Sea, Boston. Morn h.	Full Sea, Boston. Even h.	☽ Rises. h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Age
305	1	S.	6 17	L	4 38	F	10 21	32	7¼	7½	1ᴬ_M20	H	7ᴬ_M49	VIR	25
306	2	M.	6 18	L	4 37	F	10 19	32	8	8¼	2 20	I	8 29	VIR	26
307	3	Tu.	6 19	L	4 36	E	10 17	32	8¾	9	3 20	J	9 09	LIB	27
308	4	W.	6 21	M	4 35	E	10 14	32	9½	9¾	4 20	K	9 50	LIB	28
309	5	Th.	6 22	M	4 34	E	10 12	32	10	10½	5ᴬ_M22	M	10 33	LIB	29
310	6	Fr.	6 23	M	4 32	E	10 09	32	10¾	11	sets	—	11ᴬ_M19	SCO	30
311	7	Sa.	6 24	M	4 31	E	10 07	32	11¼	11¾	4ᴾ_M41	C	12ᴾ_M08	SCO	1
312	8	S.	6 26	M	4 30	E	10 04	32	11¾	—	5 25	C	12 59	SGR	2
313	9	M.	6 27	M	4 29	E	10 02	32	0½	0½	6 17	B	1 53	SGR	3
314	10	Tu.	6 28	M	4 28	E	10 00	32	1	1¼	7 17	B	2 48	CAP	4
315	11	W.	6 29	M	4 27	E	9 58	32	1¾	2	8 24	D	3 42	CAP	5
316	12	Th.	6 31	M	4 26	E	9 55	32	2¾	2¾	9 35	E	4 35	AQR	6
317	13	Fr.	6 32	M	4 25	E	9 53	31	3½	3¾	10ᴾ_M47	F	5 26	AQR	7
318	14	Sa.	6 33	M	4 24	E	9 51	31	4½	4¾	—	—	6 16	PSC	8
319	15	S.	6 34	M	4 23	E	9 49	31	5½	5¾	12ᴬ_M00	G	7 05	PSC	9
320	16	M.	6 35	M	4 22	E	9 47	31	6½	6¾	1 14	I	7 55	ARI	10
321	17	Tu.	6 37	M	4 21	D	9 44	31	7¼	7¾	2 29	J	8 46	ARI	11
322	18	W.	6 38	N	4 21	D	9 43	31	8¼	8¾	3 47	L	9 41	TAU	12
323	19	Th.	6 39	N	4 20	D	9 41	30	9¼	9¾	5ᴬ_M06	M	10 39	TAU	13
324	20	Fr.	6 40	N	4 19	D	9 39	30	10	10½	rises	—	11ᴾ_M39	G'M	14
325	21	Sa.	6 42	N	4 18	D	9 36	30	11	11½	4ᴾ_M38	B	—	—	—
326	22	S.	6 43	N	4 18	D	9 35	30	11¾	—	5 38	B	12ᴬ_M41	G'M	15
327	23	M.	6 44	N	4 17	D	9 33	29	0¼	0½	6 45	C	1 42	CNC	17
328	24	Tu.	6 45	N	4 16	D	9 31	29	1¼	1¼	7 54	D	2 39	CNC	18
329	25	W.	6 46	N	4 16	D	9 30	29	2	2¼	9 01	E	3 32	CNC	19
330	26	Th.	6 47	N	4 15	D	9 28	28	2¾	3	10 06	F	4 20	LEO	20
331	27	Fr.	6 49	N	4 15	D	9 26	28	3¾	4	11ᴾ_M09	G	5 04	LEO	21
332	28	Sa.	6 50	N	4 14	D	9 24	28	4¾	5	—	—	5 46	VIR	22
333	29	S.	6 51	N	4 14	D	9 23	27	5½	5¾	12ᴬ_M10	I	6 26	VIR	23
334	30	M.	6 52	N	4 14	D	9 22	27	6½	6¾	1ᴬ_M10	J	7ᴬ_M06	LIB	24

NOVEMBER hath 30 days. [1953



Walking the road, alone — toward what might be?
Walking away — from what might once have been? —
By winter twilight, all that I could see
Was man abroad, when others had gone in.

If I seem less at ease, here, than before,
It is because of two sides to a door,
And man abroad, when others have gone in.

D. M.	D. W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	D	All Saints ☿ Gr. Hel. Lat. N. Tides {8.4 8.4} *Stays*	
2	M.	☾ on Eq. ☾ in Apo. Tides {8.7 8.4} *clear*	
3	Tu.	Election Day ☌☾ ☿ Stat. in R.A. {9.0 8.5} *you*	
4	W.	☌☿☾ Eugene Field D. 1895 {9.3 8.6} *think*	
5	Th.	Fawkes Day ☌♆☾ ☌♄☾ Tides {9.6 8.6}	
6	Fr.	St. Leonard Underground Moon {9.7 8.6} *but*	
7	Sa.	☌☿♆ ☌☿☾ Tides {9.9 8.6} *now*	
8	D	23rd a. ♏. Tides {10.0 —} *comes*	You can do much or nothing this month, but it is the best month in the year to work profitably in cool comfort and not go wrong on anything. The pressure is off. Your plowing done now eases the burden of it in the terribly hurried spring months. Manure on your fields will go right to work for you as the snow runs off. Your axe will never ring more sweetly nor bite more deeply than in the November woods. Better now to repair walls and fences than in the muck of April.
9	M.	☾ rides low. Steve Brodie jumped, 1888 Tides {8.5 10.0} *the*	
10	Tu.	"Dr. Livingstone I Presume"–1891 Tides {8.5 9.9}	
11	W.	St. Martin Tides {8.4 9.8} *storm.*	
12	Th.	1st killing frost Nantucket 1939 Tides {8.4 9.7} *Clear.*	
13	Fr.	Indian Summer ☿ in ♐ ☌☿♄ Tides {8.5 9.5}	There is no pleasure in gathering leaves, but when we burn them we are philosophers leaning on our rakes. And what more poignant in the chill November dusk than the smoke of burning leaves? For in it is somehow all the memories of our youth—and fallen leaves and drifting smoke are the symbols and sadness of life.
14	Sa.	☿ begins ☿ Transit of Sun ☌☿☉ Inf. {8.8 9.4} *A*	
15	D	25th a. ♓. Tides {9.1 9.5} *mild*	
16	M.	☾ on Eq. Suez Canal op. 1869 Tides {9.7 9.6} *spell*	
17	Tu.	18th-1883 U.S. changed over to standard time {10.2 9.8} *of*	
18	W.	☿ in Peri. ☾ in Peri Tides {10.8 10.0}	
19	Th.	Basketball Fixers sentenced 1951 Tides {11.8 10.2} *weather.*	
20	Fr.	[22nd ☌♃☾ ☾ runs high] Tides {11.7 10.2}	
21	Sa.	Mayflower Compact Tides {11.7 10.0} *Fine*	
22	D	26th a. ♓. St. Cecilia {11.6 —} *days.*	
23	M.	☌☿♀☿ Stat. in R.A. Hol. Md. {9.8 11.2} *Storms*	
24	Tu.	☌☉☾ Tides {9.5 10.7} *with*	
25	W.	U.S. Great Lakes Decl. high seas 1893–21st. Tides {9.1 10.1} *hail.*	
26	Th.	Thanksgiving Tides {8.8 9.4} *Perhaps*	
27	Fr.	The Portland lost 1898 (29th) Tides {8.5 8.9} *snow.*	
28	Sa.	Cocoanut Grove fire 1942 ☿ Gr. Hel. Lat. N. {8.4 8.4} *Don*	
29	D	1st S. Advent ☾ on Eq. {8.4 8.1} *your*	
30	M.	St. Andrew ☾ in Apo {8.5 7.9} *woollies.*	

This is the month for blue devils and suicides.

1953] DECEMBER, Twelfth Month.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.

Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /	Days.	0 /
1	21s. 50	7	22 38	13	23 10	19	23 25	25	23 24
2	21 59	8	22 45	14	23 14	20	23 26	26	23 22
3	22 08	9	22 50	15	23 17	21	23 27	27	23 19
4	22 16	10	22 56	16	23 20	22	23 27	28	23 17
5	22 24	11	23 01	17	23 22	23	23 26	29	23 13
6	22 31	12	23 06	18	23 24	24	23 25	30	23 09

● New Moon, 6th day, 5 h. 48 m., morning, E.
☾ First Quarter, 13th day, 11 h. 30 m., morning, E.
○ Full Moon, 20th day, 6 h. 43 m., morning, W.
☽ Last Quarter, 28th day, 12 h. 43 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 100 THROUGH 105

Day of Year	Day of Month	Day of the Week	☉ Rises. h. m.	Key	☉ Sets. h. m.	Key	Length of Days. h. m.	Sun Fast. m.	Full Sea, Boston. Morn h.	Full Sea, Boston. Even h.	☽ Rises. h. m.	Key	☽ Souths. h. m.	☽'s Place	Moon's Age
335	1	Tu.	6 53	N	4 13	D	9 20	27	7¼	7¾	2 10	K	7ᴬM46	LIB	25
336	2	W.	6 54	N	4 13	D	9 19	26	8	8½	3ᴬM11	L	8 29	LIB	26
337	3	Th.	6 55	N	4 13	D	9 18	26	8¾	9¼	4 14	M	9 14	SCO	27
338	4	Fr.	6 56	N	4 13	D	9 17	25	9½	10	5 18	N	10 02	SCO	28
339	5	Sa.	6 57	N	4 13	D	9 16	25	10¼	10¾	6ᴬM22	O	10 53	SGR	29
340	6	S.	6 58	O	4 12	C	9 14	25	10¾	11¼	sets	—	11ᴬM47	SGR	0
341	7	M.	6 59	O	4 12	C	9 13	24	11½	—	5ᴾM10	C	12ᴾM42	CAP	1
342	8	Tu.	7 00	O	4 12	C	9 12	24	0	0¼	6 16	C	1 38	CAP	2
343	9	W.	7 01	O	4 12	C	9 11	23	0¾	0¾	7 27	D	2 31	CAP	3
344	10	Th.	7 02	O	4 12	C	9 10	23	1½	1¾	8 39	F	3 23	AQR	4
345	11	Fr.	7 03	O	4 12	C	9 09	22	2¼	2½	9 51	G	4 13	AQR	5
346	12	Sa.	7 04	O	4 13	C	9 09	22	3¼	3½	11ᴾM03	H	5 02	PSC	6
347	13	S.	7 04	O	4 13	C	9 09	21	4	4½	—	—	5 50	PSC	8
348	14	M.	7 05	O	4 13	C	9 08	21	5	5½	12ᴬM16	J	6 39	ARI	9
349	15	Tu.	7 06	O	4 13	C	9 07	21	6	6½	1 30	K	7 31	ARI	10
350	16	W.	7 06	O	4 14	C	9 08	20	7	7½	2 46	M	8 25	TAU	11
351	17	Th.	7 07	O	4 14	C	9 07	20	8	8½	4 03	N	9 23	TAU	12
352	18	Fr.	7 08	O	4 14	C	9 06	19	8¾	9½	5 18	O	10 23	G'M	13
353	19	Sa.	7 08	O	4 15	C	9 07	19	9¾	10¼	6ᴬM27	P	11ᴾM24	G'M	14
354	20	S.	7 09	O	4 15	C	9 06	18	10½	11¼	rises	—	—	—	—
355	21	M.	7 10	O	4 16	C	9 06	18	11½	—	5ᴾM32	O	12ᴬM23	CNC	15
356	22	Tu.	7 10	O	4 16	C	9 06	17	0	0¼	6 42	N	1 18	CNC	16
357	23	W.	7 11	O	4 17	C	9 06	17	0¾	1	7 49	L	2 10	LEO	17
358	24	Th.	7 11	O	4 17	C	9 06	16	1½	1¾	8 54	K	2 56	LEO	18
359	25	Fr.	7 11	O	4 18	C	9 07	16	2¼	2½	9 57	J	3 40	VIR	19
360	26	Sa.	7 12	O	4 18	C	9 06	15	3¼	3¼	10 57	I	4 21	VIR	20
361	27	S.	7 12	O	4 19	C	9 07	15	4	4¼	11ᴾM58	G	5 02	VIR	21
362	28	M.	7 12	O	4 19	C	9 07	14	4¾	5	—	—	5 42	LIB	22
363	29	Tu.	7 13	O	4 20	C	9 07	14	5½	6	12ᴬM58	F	6 23	LIB	23
364	30	W	7 13	O	4 21	C	9 08	13	6½	7	2 01	E	7 06	SCO	24
365	31	Th.	7 13	O	4 21	C	9 08	13	7¼	7¾	3ᴬM03	D	7ᴬM53	SCO	25

DECEMBER hath 31 days. [1953

Remembering how the Lord God made heaven and earth
And the fullness thereof
Out of his very great love,

I have taken it on myself to fashion, here,
The images thereof.
These, too, are shapes of love.

D.M.	D.W.	Aspects, Holidays, Heights of High Water, Weather, etc.	Farmer's Calendar.
1	Tu.	☿ Gr. El. W. ☌♂☾ Tides 8.7 7.9 *Raw*	The farm year as we look back on it can be a confused jumble of impressions unless we have had some system in keeping farm records. Of course we all keep records and whether they be in a jumble or not is chiefly a question of keeping them faithfully and then filing them.
2	W.	Chanukah Atomic age began 1942 Tides 9.0 8.0 *and*	
3	Th.	☌♄☾ [2nd ☌♆☾] Tides 9.2 8.1 *dire*	
4	Fr.	☌☿☾ Grapes ripe in Bolivia Tides 9.5 8.3 *but*	
5	Sa.	☌♀☾ Phi Beta Kappa founded 1776 9.7 8.4 *nice*	
6	D	2♭S. in ♐. ☾ rides low 9.9 8.4 *by the*	
7	M.	Disaster of Pearl Harbor 1941 Hol. Del. 10.1 — *fire.*	
8	Tu.	Conception of Virgin Mary Tides 8.5 10.2 *Snows.*	Our check book will give us simply enough our costs if we pay all bills by check. Our daily diary reports what we have done on the farm and materials used, and it also records the weather. Unless we need a more arduous system of daily or weekly cards reporting the activities of each worker (and this will be necessary where many are employed) the diary will carry the story of each worker's daily activities. Milk records, egg records, etc., are recorded on the spot and summarized and checked on frequently—as are the receipts for what is owed us.
9	W.	Gustavos Adolphus The Great born 1594 8.7 10.2 *Rains*	
10	Th.	Alfred Nobel D. 1901 Tides 8.8 10.2 *not*	
11	Fr.	Edward VII abdicated 1936 Tides 9.0 10.0 *profuse*	
12	Sa.	[13th ☌♂☿ ☌♃☉☾ on Eq.] 9.2 9.8 *nor*	
13	D	3♭S. in ♐. St. Lucy 9.4 9.5 *of any use.*	
14	M.	George Washington D. 1799 Tides 9.7 9.3 *Dull.*	
15	Tu.	☾ in Peri Bill of Rights 1791 Tides 10.0 9.2 *Spits*	But there is another kind of record and that is a photographic record of our farm year. For each week, let us say, we take one roll of film covering every phase of farm activity—seeding the new piece, the apple trees in dormant stage, the ploughing and harrowing for the corn, etc. These photographs may be appropriately filed as to subject and have transcribed on their backs such information from our diary as we may wish to record in this way.
16	W.	Ember days 16, 18 & 19th Tides 10.3 9.2 *of snow*	
17	Th.	Lazarus died 63A.D. for second time Tides 10.7 9.3 *twixt*	
18	Fr.	Shortest days and longest nights 17-26th 11.0 9.4 *clouds*	
19	Sa.	☌♃☾ ☾ runs high Tides 11.3 9.4 *hanging*	
20	D	4th S. in ♐. First radio message 1902 11.3 9.5	
21	M.	St. Thomas Winter begins 10:32 P.M. 11.2 — *low.*	
22	Tu.	☌☉☾ ☿ in ♑ Tides 9.4 10.9 *?*	
23	W.	New Orient Coal Mine disaster 1951-21st 9.8 10.5 *Land-*	
24	Th.	Last Horse Car in Boston 1900 9.2 10.5 *scape still*	
25	Fr.	Christmas Tides 9.0 9.4 *green.*	
26	Sa.	St. Stephen ☾ on Eq. 8.8 8.8 *Nice.*	
27	D	1sta. Ch. ♀ in ♑ St. John 8.7 9.3 *Cold*	
28	M.	Holy Innocents Underground Moon ☾ in Apo. 8.6 7.9 *for*	
29	Tu.	☌♆☾ Marry yesterday bad luck all the way 8.6 7.6 *sure*	
30	W.	☌♂☾ ☌♄☾ 8.6 7.5 *some white*	
31	Th.	Lowest evening high tide of year Tides 8.8 7.8 *manure.*	A Merry Christmas to you —and a photogenic New Year.

Relieve the PRESSURE PAIN of Sore, Aching Muscles!

● When muscles get stiff and lame from overexertion, don't let them "lay you up." For there's a wonderful way to relieve that ache and soreness quickly, easily!

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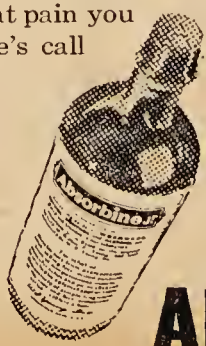

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THE TWELVE SIGNS OF THE ZODIAC
THE "FAMOUS" MAN OF THE SIGNS

RAM. **Aries,** (ARI) — THE HEAD. MAR. 20–APRIL 20

TWINS. **Gemini,** ARMS. (G'M)

LION, **Leo.** HEART. (LEO)

BALANCE, **Libra,** REINS. (LIB) SEPT. 22 OCT. 22.

ARCHER, **Sagittarius,** THIGHS. (SGR)

WATERM'N **Aquarius,** LEGS. (AQR)

BULL, **Taurus,** NECK. (TAU)

CRAB, **Cancer,** BREAST. (CNC) JUNE 21 JULY 21.

VIRGIN, **Virgo,** BOWELS. (VIR)

SCORPION, **Scorpio,** LOINS. (SCO)

GOAT, **Capricornus,** KNEES. (CAP) DEC. 21 JAN. 21.

FISHES. **Pisces,** (PSC) — THE FEET.

The Man of the Signs first began appearing in almanacs in the 15th century. He is regarded highly only by astrologers and the foolish. However, these two categories include millions of otherwise sensible people. We give him to you at their request that you may laugh at, rather than believe in, his antics. As the earth spins its way around the sun, we have noted the sun (since about 3000 B.C.) "passes through" 12 divisions of the sky, marked off roughly by 30 day periods, and distinguished respectively by 12 different constellations said to resemble for any mundane star gazer, by the formation or pattern of the stars, the animals whose names appear above. At certain times of the year, for example, we say, "It is Spring, the Sun enters Aries." (See bottom page 11.) By studying the next to last column of pages 12 to 34, you will note the moon's place in the zodiac for everyday in the year. Abbreviations (ARI for Aries, etc.) correspond with those in parentheses above.

PLANTING BY THE ZODIAC

The moon's place in the Zodiac forms the basis of the superstitions, along with its phase, about planting — the favorable signs being Cancer, Libra, and Scorpio (Cnc., Lib., Sco.). The planting table on the next page does not take into account these Zodiac sign values but gives you only the times most favorable (superstition) for planting crops according to the moon's phase. That is, supposedly, crops or flowers which bear crops above ground do better when planted by the "light of the moon" — viz., in the new or first quarter. Those which have root crops like potatoes or iris prefer being planted during the full or last quarter.

OUTDOOR PLANTING TABLE

Find the latitude of your town or city. Interpolate between columns below to find your planting date. For example, if you live in Grove City, Pa. (Lat. 41°09'35") this would mean the latitude was about halfway between Boston-Phila. So your planting times would also be halfway between. N.B. Plant one week later for every 500 ft. elevation above sea level.

The "Moon Most Favorable" columns give the superstitious times when the phase of moon is "Right" for the crop indicated during 1953.

	42°21'44" Boston Latitude		39°56'58" Phila. Latitude		33°45'10" Atlanta Latitude	
CROP	Plant Anytime Between Dates Below	Moon Most Favorable Between	Plant Anytime Between Dates Below	Moon Most Favorable Between	Plant Anytime Between Dates Below	Moon Most Favorable Between
Barley	May 15-Jun 21	May 13–20	Mar 15-Apr 7	Mar 15–22	Feb 15-Mar 7	Feb 13–20
Beans (Early)	May 7-Jun 21	May 13–20	Apr 15-30	Apr 13–20	Mar 15-Apr 7	Mar 15–22
(Late)	Jun 15-Jul 15	Jun 11–19	Jun 1-21	Jun 11–19	Aug 7-30	Aug 9–17
Beets (Early)	May 1-15	May 6–13	Mar 15-Apr 30	Mar 15	Feb 7-29	Feb 6–13
(Late)	Jul 15-Aug 15	Jul 26–31	Jul 15-30	Jul 26–31	Aug 7-30	Aug 1–9
Broccoli (E)	May 15-30	May 13–20	Mar 7-30	Mar 15–22	Feb 15-Mar 15	Feb 13–20
(Late)	Jun 15-Jul 7	Jun 11–19	Aug 1-20	Aug 9–16	Sept 7-30	Sept 8–16
Brussels Spr.	May 15-30	May 13–20	Mar 7-Apr 15	Mar 15–22	Feb 11-Mar 20	Feb 13–20
Cabbage (E)	May 15-30	May 13–20	Mar 7-Apr 15	Mar 15–22	Feb 7-Mar 20	Feb 13–20
(L)	Jun 7-Aug 7	Jun 11–19	Jun 1-Jul 7	Jun 10–18	Jul 15-30	Jul 10–18
Carrots (E)	May 15-30	May 13–20	Mar 7-31	Mar 8–15	Feb 15-Mar 7	Feb 6–13
(Late)	Jun 15-Jul 21	J'e 26–J. 14	Apr 7-May 30	Apr 20–28	Aug 1-Sept 7	Aug 1–9
Cauliflower (E)	May 15-30	May 13–20	Mar 15-Apr 7	Mar 8–15	Feb 15-Mar 7	Feb 13–20
(Late)	June 15-Jul 21	Jun 11–19	Jun 1-Jul 7	Jun 11–19	Aug 7-30	Aug 9–17
Celery (Early)	May 15-Jun 30	Jun 1–4	May 7-30	May 6–13	Apr 15-30	Apr 6–13
(Late)	Jul 15-Aug 15	Jul 26–30	Jun 15-Jul 7	Jun 26–30		None
Corn, Sweet (E)	May 15-Jun 15	May 13–20	Mar 15-30	Mar 8–15	Feb 15-29	Feb 13–20
(Late)	Jun 15-30	Jun 11–19	May 7-Jun 21	May 13–20	Aug 7-30	Aug 9–17
Cucumber	May 7-Jun 20	May 13–20	Apr 7-May 15	Apr 13–20	Mar 7-Apr 15	Mar 15–22
Egg Plant	Jun 1-30	Jun 11–19	Apr 7-May 15	Apr 13–20	Mar 7-Apr 15	Mar 15–22
Endive (Early)	May 15-30	May 12–20	Apr 7-May 15	Apr 13–20	Feb 15-Mar 20	Feb 13–20
(Late)	Jun 7-30	Jun 11–19	Jul 15-Aug 15	Jul 10–18	Aug 15-Sept 7	Aug 9–17
Kale (Early)	May 15-30	May 13–20	Mar 15-Apr 7	Mar 15–22	Feb 15-Mar 7	Feb 13–20
(Late)	Jul 1-Aug 7	Jul 10–18	Jul 15-31	Jul 10–18	Sept 7-30	Sept 8–16
Leek	May 15-30	May 13–20	Mar 7-Apr 7	Mar 15–22	Feb 15-Apr 15	Feb 13–20
Lettuce	May 15-Jun 30	May 13–20	Mar 1-31	Mar 15–22	Feb 15-Mar 7	Feb 13–20
Melon (Musk)	May 15-Jun 30	May 13–20	Apr 15-May 7	Apr 13–20	Mar 15-Apr 7	Mar 15–22
Onion	May 15-Jun 7	May 6–13	Mar 1-31	Mar 8–15	Feb 1-28	Feb 6–13
Parsley	May 15-30	May 13–20	Mar 1-31	Mar 15–22	Feb 20-Mar 15	Feb 13–20
Parsnip	Apr 1-30	Apr 6–13	Mar 7-31	Mar 8–15	Jan 15-Feb 7	Jan 8–15
Peas (Early)	Apr 15-May 7	Apr 13–20	Mar 7-31	Mar 15–22	Jan 15-Feb 7	Jan 15–22
(Late)	Aug 15-30	Aug 9–17	Jul 7-31	Jul 10–18	Aug 15-30	Aug 9–17
Pepper	May 15-Jun 30	May 13–20	May 1-31	May 13–20	Apr 1-20	Apr 13–20
Pumpkin	May 15-30	May 13–20	Apr 23-May 15	Apr 13–20	Apr 7-20	Apr 13–20
Potatoes	May 15-30	May 6–13	Apr 7-May 30	Apr 6–13	Jan 1-Mar 7	Jan 8–15
Radish (Early)	Apr 15-30	Apr 6–13	Mar 7-31	Mar 8–15	Jan 21-Mar 1	Jan 8–15
(Late)	Aug 15-30	Aug 17–31	Aug 7-31	Aug. 1–9	Sept 1-21	Sept 22–29
Spinach (E)	May 15-30	May 13–20	Mar 15-Apr 20	Mar 13–20	Feb 7-Mar 15	Feb 13–20
(Late)	Jul 15-Sept 7	Jul 10–18	Aug 1-Sept 15	Aug. 9–17	Sept 1-21	Sept 8–16
Swiss Chard	May 1-30	May 13–20	Mar 15-Apr 15	Mar 13–20	Feb 7-Mar 15	Feb 13–20
Summer Squ	May 15-Jun 15	May 13–20	Apr 15-May 15	Apr 13–20	Mar 15-Apr 15	Mar 15–22
Tomato	May 15-30	May 13–20	Apr 7-30	Apr 13–20	Mar 7-20	Mar 15–22
Turnip (Early)	Apr 7-30	Apr 6–13	Apr 7-30	Apr 6–13	Jan 20-Feb 15	Jan 8–15
(Late)	Jul 1-Aug 15	Jul 26–31	Aug 1-20	Aug 1–9	Sept 1-Oct 15	Sept 22–29
Wheat (Fall)	Oct 7-30	Oct 7–15	Sept 15-Oct 20	Sept 8–15	Oct 15-Dec 7	Oct 7–15
(Spring)	Apr 7-30	Apr 13–20	Apr 1-20	Apr 13–20	Mar 15-31	Mar 15–22

PLANTING DATES FOR FLOWERS . . . (Also see page 37)
On the preceding page you will find approximate planting dates for vegetables and for crops, with a "moon column" adjoining each geographical division which tells you what some people consider the best moon planting time. In considering this "moon planting time" one should remember it is superstition only and has never been proven of value by scientific methods. The way these moon times are arrived at are: that crops or flowers which win their way by results above ground (like beans or pansies) do better when planted in the "light" of the moon—which is the same thing as saying during the new or first quarter of the moon. Those with root crops do better when planted during the full or last quarter of the moon. For flowers then use the opposite page taking the "Beans" head for everything except those largely dependent on bulbs—like lilies, tulips, iris, etc. for which the moon and other planting dates would correspond with those given for beets or potatoes.

AVERAGE DATES FIRST AND LAST KILLING FROSTS

Boston	Apr. 14 — Oct. 26	Richmond	Mar. 31 — Nov. 2
Albany	Apr. 24 — Oct. 15	Raleigh	Mar. 27 — Nov. 5
Harrisburg	Apr. 9 — Oct. 28	Macon	Mar. 14 — Nov. 14
Cincinnati	Apr. 8 — Oct. 23	Del Rio	Feb. 23 — Nov. 27
Toledo	Apr. 22 — Oct. 18	Helena	May 7 — Sept. 29
Chicago	Apr. 16 — Oct. 19	Santa Fe	Apr. 25 — Oct. 19
Detroit	Apr. 28 — Oct. 15	Tucson	Mar. 11 — Nov. 9
Duluth	May 6 — Oct. 5	Yuma	Jan. 20 — Dec. 20
Bismarck	May 11 — Sept. 21	Portland, Ore.	Mar. 15 — Nov. 21
Omaha	Apr. 14 — Oct. 15	San Francisco	Jan. 13 — Dec. 29
Portland, Maine	Apr. 19 — Oct. 17	Parkersburg	Apr. 17 — Oct. 18
Hartford	Apr. 20 — Oct. 13	Oklahoma City	Mar. 30 — Nov. 3
Evansville	Apr. 5 — Oct. 29	Denver	May 3 — Oct. 10
Cairo	Mar. 31 — Oct. 29	Spokane	Apr. 14 — Oct. 13
Minneapolis	Apr. 27 — Oct. 10	Salt Lake City	Apr. 18 — Oct. 20
Concord, N. H.	May 7 — Oct. 3		

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NORTH STAR SWEET CORN

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SNATCHES 'N SNACKS

Whatever the season there's always the reason for snatches 'n snacks . . . This could mean Sunday night suppers, bits to nibble before an early movie, lunches to take to the porch and late snacks for family or friends after a concert, grange meeting or just because you're hungry.

Of course eggs lead the list of quick-fix foods. Always on hand, nutritious and easily prepared they also possess their share of glamour. For example:

EGGS 'N HASH

Cover the bottom of a well greased baking dish with warm corned beef hash. With a tumbler make deep hollows in the hash, dot each with butter and then break an egg into it. Season as desired with salt and pepper and cover with one tablespoon heavy cream. Bake in a 400°F. oven until the eggs are set and serve in the same dish in which they have been cooked.

EGGS 'AND'

Cut a circle from a slice of bread and butter both sides generously. Place in a hot buttered frying pan over low heat. Drop an egg into the center. Cook slowly until the egg is set and the underside is brown, then turn and brown on the other side. Season, garnish and serve with sausage cakes.

SUPPER DISH SPAGHETTI

(Prepare ahead of time)

½ cup shredded American Cheese
¼ cup minced green pepper
¼ cup minced pimiento
3 hard cooked eggs, chopped
2 cups medium white sauce
Boiled spaghetti

Prepare the white sauce and add the cheese, chopped pepper, pimiento and hard cooked eggs into it and then mix gently with the cooked spaghetti. Pour into buttered casserole and bake until golden brown on the top. Sprinkle with pimiento filled green olives and serve hot from the casserole.

NOODLE MIX-UP

Mix one can salmon with toasted almonds, salt and pepper and hot buttered noodles into a medium white sauce. Place in a buttered casserole and sprinkle with dry wheat cereal and bake in a 350°F oven for about fifteen minutes.

BROILED RICE AND OYSTERS

½ cup minced onions
2 cups chopped celery
3 T. all purpose flour
½ cup milk
3 cups hot drained, boiled Wild Rice
½ teas. salt
¼ tsp. sage
Pinch of thyme
Pepper
1 pint small oysters
½ cup buttered cracker crumbs

Brown the onions and the chopped celery in butter and then stir in flour, milk, rice and seasonings and place in a shallow rectangular baking dish. Dip oysters in melted butter and crumbs and arrange over top of rice. Sprinkle with crumbs and place beneath the broiler and broil slowly until the oysters curl. Serve hot.

Old fashioned supper

Long before it was time to eat, you sniffed that warm, mellow, spicy fragrance.

Then — at last — in she came, with the brown and tan crockery bean pot wrapped in a white cloth, fresh from the hot brick oven.

After that, it was just you and that big piping-hot plate of juicy, tender beans — and no time for talk. You were happy (and she knew it). It was Saturday night . . . time for your favorite Baked Bean Supper.

Want an old-fashioned, tempting supper like that? Tonight? All right, just try B&M New England Brick Oven Baked Beans. They're made the slow, careful, home-baked way . . . the way that gives you the rich, hearty flavor of real Down-East Baked Beans. It's a flavor that comes from plump, tender beans with a rare tangy sauce of old-time spicings and big chunks of pork, slow-baked all day long in real bean pots in real brick ovens 'til every bean is chock-full of deep-down good eating. It's a flavor you won't forget.

B&M Baked Beans come in tins or glass jars. Just heat them and serve. (And for a real Baked Bean Supper serve them with B&M's rich Brown Bread with Raisins.)

BURNHAM & MORRILL COMPANY, Portland, Maine

SUPPER SKILLET

2 cups cream style corn
1 cup salami cut in strips
1½ T. prepared chili sauce
1 can cream celery soup
1 teas. prepared mustard

Heat meat, corn and soup together and then add chili sauce and mustard.

PARKER HOUSE CODFISH TONGUES

Dip fresh codfish tongues in milk, roll in flour and fry in butter until golden brown. Pour freshly browned butter over them to which has been added lemon juice and fresh chopped parsley.

YANKEE TOAST

(Yankee Cookbook)

Slice lengthwise, but do not peel about twice the number of McIntosh apples you think your family could eat and fry them ('the apples, not the family') in butter with three tablespoons water and ¼ cup sugar for every five apples. Serve on French toast with broiled bacon.

MAINE CHICKEN STEW

(To prepare ahead of time and then reheat for serving)

2 3½ to 4 pound chickens
6 potatoes sliced
3 onions, sliced
cold water
2 T. butter
1 cup thin cream
Salt and pepper
Minced fresh parsley
6 to 8 common crackers

Cut chicken for stewing. In an iron kettle place alternate layers of chicken, slices of potato and thinly sliced onion. Cover with cold water and simmer gently until the chicken is tender. Add butter in small bits and cream or milk. Season with salt and pepper and minced parsley. Split water crackers, moisten in cold milk and reheat in stew.

AT SIGHT MEASURES

(To tack on the back of a kitchen cabinet door)

3 teaspoons .....1 tablespoon
1 fluid ounce .....2 tablespoons
4 tablespoons .....¼ cup
16 tablespoons .....1 cup
1 cup .....½ pint
16 fluid ounces .....2 cups
2 cups .....1 pint
2 pints .....1 quart
1 wineglass .....¼ cup
Pinch ....less than ⅛ teaspoon

STANDARD CANS

Number 10 can .....13 cups
Number 3 can .....4 cups
Number 2½ can .....3½ cups
Number 2 can .....2½ cups
Number 1 .....1¼ cups
8 ounce can .....1 cup

MEASURES AND THEIR EQUIVALENTS

Milk:
- Evaporated Milk (tall can)
  14½ ounces .....1⅔ cups
- Sweetened Condensed Milk
  15 ounces .....1¼ cups
- Dried Milk
  1 pound .....3¾ cups

Sugar:
- Brown—1 pound .....2¼ cups firmly packed
- Confectioners'
  1 pound .....3½ cups sifted
- Granulated—1 pound ..2 cups
- Powdered—1 pound ..2½ cups

Miscellaneous:
- Baking powder
  1 ounce .....3 Tablespoons

Butter and Fats
- 1 ounce .....2 Tablespoons
- 1 pound .....2 cups
- 1 bar .....¼ pound

American Cheese
- 1 pound ....4 cups shredded

Cream or Cottage Cheese
- 1 pound .....2 cups

Chocolate
- 1 ounce .....1 square

All Purpose Flour
- 1 pound .....4 cups sifted

Heavy cream
- 1 quart ....2 quarts whipped

A top Quality Coffee

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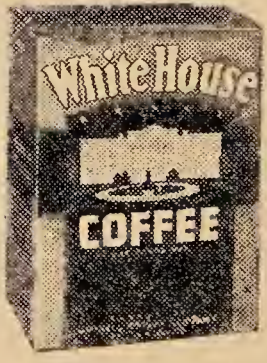

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WHITE HOUSE COFFEE

Box 1871 BOSTON, (5) MASS.

HOUSEHOLD HINTS

1. Should olive oil become cloudy add 1 teaspoon salt for each quart and let stand at room temperature overnight.
2. Try adding bread crumbs to your scrambled eggs. They'll go farther and add taste appeal and better texture.
3. When eggs are cracked and you wish to boil them add 1 T. salt to each quart of water.
4. For new richness in your gravy try adding 1 T. evaporated milk.
5. When you've over salted a food take a piece of clean white cloth and stretch across the top of the pot. Sprinkle it with flour and as the contents of the pot cooks the cloth will absorb the surplus in short time.
6. When you have the time dry out stale bread in the oven and then run it through your food grinder and store in a tight jar to be already when you need it.
7. Drop a small piece of butter in rice or spaghetti water and you'll find that it won't boil over.
8. If you've overcooked custard so that it curdles take your beater and whip until smooth.
9. To sour milk just stir in 1 tablespoon vinegar to each cup sweet milk.
10. Always remove milk stains with **cold** water. Also . . . for easy washing rinse milk glasses in **cold** water before washing.
11. What to do with left over cooked cereal? Chill it and then pan fry it and serve with syrup.
12. If you're troubled with rust spots, i.e., white gloves, shirts, kitchen towels, etc., soak with lemon juice and then cover with salt and then allow to stand in the sun until the stain disappears.
13. If you wish to clarify fat that you've already used in frying drop several slices of raw potatoes into warm fat and then reheat slowly and stir occasionally. Remove browned potatoes and strain the fat through cheesecloth which you've laid in the bottom of a strainer. Cool in refrigerator.
14. Do not store foods in the refrigerator in brown paper bags since the cold cannot penetrate them.
15. Freshness IS important. When shopping for fruits and vegetables remember that the longer they've been in the market the more vitamins they've lost. Put fruits and vegetables into your refrigerator as soon as you get home.
16. When serving cucumbers, peel, score the sides with a fork and chill in the refrigerator before adding to a salad.
17. Always save the outside leaves of lettuce, cabbage, celery, etc., to add to soup.
18. When you hardcook an egg remember to simmer in hot water . . . DO NOT BOIL . . . for about thirty minutes.
19. To scald, can mean to dip food in boiling liquid for a short time or to pour boiling water over object.
20. When using wine in recipes always follow the suggested quantity and remember that when you use wine in cooking you are not feeding alcohol to your family since it will lose its alcoholic content under heat.

OLD FARMER'S ALMANAC SPECIALS

REAL MINCEMEAT

3 pounds lean beef chopped fine
2 pounds chopped suet
3½ quarts apples chopped fine
3 pounds seedless raisins, chopped
2 pounds currants
1¼ pounds citron cut in small pieces
½ cup chopped candied orange peel
½ cup chopped candied lemon peel
½ cup lemon juice
½ cup orange juice
2 T. salt
4 cups sugar
1 cup black coffee
2 cups cider
1¼ teas. cloves
1 teas. allspice
2 teas. cinnamon
4 cups brandy
½ cup sherry
1 cup currant jelly

Mix all the ingredients except the sherry and the brandy and cook for about two hours. When cool, not cold, add the liquor and let stand in an earthenware crock for at least a week before using. You'll find that the above recipe will make about twelve quarts and will keep for an indefinite period in a cool place.

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FIRST NATIONAL STORES

ANECDOTES & PLEASANTRIES

THE COMPLEAT ANGLER

I care not, I, to fish in seas—
Fresh river best my mind do please,
Whose sweet calm course I contemplate,
And seek in life to imitate:
In civil bounds I fain would keep,
And for my past offenses weep.

And when the timorous trout I wait,
To take, and he devour my bait,
How poor a thing, sometimes I find,
Will captivate a greedy mind:
And when none bite, I praise the wise,
Whom vain allurements ne'er surprise.

Izaak Walton

FOUR-FIFTHS OF A PIG

"The whole hog or nothing" is what a farmer of Westminster, Mass., must have thought when he was faced with killing four-fifths of a pig. The slaughter house explained that the Office of Price Stabilization wouldn't permit them to slaughter more than 20% of the animals brought in and that worked out to four-fifths of a pig for the farmer.

FROM MARK TWAIN'S NOTEBOOK

"Wit and Humor—if any difference it is in duration—lightning and electric light. One is vivid, brief—the other fools along and enjoys elaboration.

"'No gentleman ever swears'—the obscure person who shouts this from his pulpit, or his good goody-paper, sees no immodesty in setting himself above Wellington, Washington, etc.

"U. S. Government:

'We have killed 200 Indians.'
'What did it cost?'
'$2,000,000.'
'You could have given them a college education for that.'

"I went to church the first Sunday (in Germany) and on Tuesday came a tax of twelve marks for church support. I have not been to church since. I can't afford religious instruction at that price. Only the rich can be saved here.

"Truth is the most precious thing we have. Economize it.

"Noise proves nothing. Often a hen that has merely laid an egg cackles as if she had laid an asteroid.

"What marriage is to morality, a properly conducted liquor license is to sobriety.

"The human imagination is much more capable than it gets credit for. That's why Niagara is always a disappointment when we see it for the first time.

"(Greeting to 1900) The 20th century is a stranger to me. I wish it well but my heart is all for my own century. I took 65 years of it, just on a risk, but if I had known as much about it as I know now I would have taken the whole of it.

"What is the difference between a taxidermist and a tax collector? The taxidermist takes only your skin.

"The man who is a pessimist before 48 knows too much; if he is an optimist after it, he knows too little.

"Man was made at the end of the week's work, when God was tired."

THE SENSITIVE CAT

There once was a sensitive cat
Who couldn't abide the word "scat."
"If you want me to go,"
She yowled, "Say so, you know,
But don't be so rude as all that."

(*Alice Brown in The St. Nicholas*)

THE ORDER OF THE BATH

The first building (a hotel) in the world said to have a "bath in every room" was the Buckingham, built in the 1870's, "way uptown" at the corner of Fiftieth Street and Fifth Avenue in New York, then a fashionable country resort. The spot upon which the Buckingham was built is the site of Radio City where the offices of business executives are equipped with private baths hundreds of feet in the air.

FOOD FOR THOUGHT

Sings the chicken:

"Why worry about tomorrow
When it really doesn't matter.
Let's face it, men, we might as well,
We'll wind up on a platter."

Chiquita Banana presents her

FAVORITE BANANA RECIPE FOR EVERY MONTH IN THE YEAR

The photographs of New England scenes on the following pages were taken by the internationally famous photographer Samuel Chamberlain.

Congregational church at Jaffrey, New Hampshire.

A midwinter favorite with everyone!

Bananas Pan-fried with Ham and Eggs

2 tablespoons butter or margarine
2 firm bananas*
1 slice ham, cut ¼ to ½ inch thick
2 eggs

**Use all-yellow or slightly green-tipped bananas*

Melt butter or margarine in large skillet. Cut ham into 2 pieces, and place in skillet. Peel bananas and fry slowly with ham about 8 minutes, turning both bananas and ham frequently to brown evenly. Carefully break 1 egg at a time into saucer; slip each egg, one at a time, into skillet containing bananas and ham. Fry over low heat, about 3 minutes longer or until eggs are set, the ham is browned and bananas are tender . . . easily pierced with a fork.

Two servings.

Important: If your skillet is not large enough to fry this combination together, fry separately, using butter or margarine for the frying when the fat from the ham is insufficient.

Variation

BANANAS PAN-FRIED WITH SAUSAGE OR BACON AND EGGS: Sausage or bacon may be used in place of ham but should be fried separately. Sausage or bacon and cooked bananas make an excellent flavor combination.

Midwinter scene, Beverly, Mass.

A special treat for Valentine parties!

Banana Cherry Gelatin Dessert

1 package cherry-flavored gelatin
2 ripe bananas*
Dessert topping

**Use fully ripe bananas . . . yellow peel flecked with brown*

Mix gelatin according to package directions. Chill only until slightly thickened. Partly fill 1 pint-sized mold with gelatin. Peel bananas, slice and arrange on top of the gelatin. Fill mold with remaining gelatin. Chill until firm. Unmold. Garnish with additional slices of ripe banana and cherries, if desired. Serve plain or topped with cream, custard sauce or fruit sauce.

Makes 4 to 6 servings.

Important: If desired, 4 to 6 individual molds may be used in place of 1 large mold.

Variation

BANANA GELATIN SALAD: Serve with sour cream, mayonnaise or a tart, French-style salad dressing. Garnish with crisp salad greens.

Boat basin, Mystic, Conn.

A New England Lenten delight!

Banana Pancakes

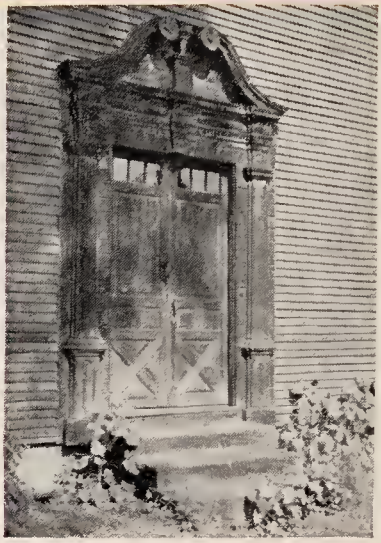
- 1½ cups sifted flour
- 3½ teaspoons baking powder
- ¾ teaspoon salt
- 1 tablespoon sugar
- 1 egg, unbeaten
- 1½ cups milk
- 3 tablespoons melted shortening or salad oil
- 1 cup finely diced ripe bananas* (1 to 2 bananas)

**Use fully ripe bananas . . . yellow peel flecked with brown*

Heat griddle slowly over low heat while mixing batter. Sift together flour, baking powder, salt and sugar into mixing bowl. Beat egg, stir in milk and shortening or salad oil. Add egg mixture to flour mixture. Stir only enough to dampen all flour. Fold in bananas lightly. Bake on hot griddle, allowing ¼ cup batter for each pancake. When bubbles form on surface and edges are firm, turn and bake until browned. Serve hot with butter and maple syrup, honey or preserves.

Makes 12 medium-sized pancakes.

Important: If desired, packaged commercial pancake mixes may be used. Heat griddle slowly over low heat while mixing batter. Follow package directions for mixing. For every 2 cups dry mix used, lightly fold into batter: 1 cup finely diced ripe bananas (1 to 2 bananas). To test heat of griddle, sprinkle with several drops of cold water. If drops bubble and spatter lively on surface, griddle is hot enough for baking pancakes. Follow manufacturer's directions for greasing, if necessary.



Door of the Reverend John Williams' house, Old Deerfield, Mass., built in 1707.

Sure cure for spring fever!

Banana Chocolate Cream Pie

2 squares unsweetened chocolate
2 cups milk
⅔ cup sugar
½ teaspoon salt
⅓ cup flour
3 egg yolks, slightly beaten
1 tablespoon butter or margarine
½ teaspoon vanilla
1 baked 9-inch pie shell or 6 (3½-inch) tart shells
3 ripe bananas*

**Use fully ripe bananas . . . yellow peel flecked with brown*

Melt chocolate in milk in top of double boiler over rapidly boiling water, beating until blended. Combine sugar, salt and flour. Stir slowly into chocolate mixture. Keep stirring and cook until well-thickened. Cook 10 minutes longer; stir occasionally. Stir small amount of hot mixture into egg yolks; then pour back into remaining hot mixture while beating vigorously. Cook 1 minute. Add butter or margarine and vanilla. Cool thoroughly. Cover bottom of pie shell with small amount of cooled filling. Peel bananas and slice into pie shell. Cover with remaining filling. Top with meringue or sweetened whipped cream, if desired.

Makes 1 pie or 6 tarts.

PUDDING MIXES: Packaged commercial pudding mixes of any flavor may be used as filling for this pie. Prepare according to directions on package. Then cool thoroughly and follow the above recipe directions for placing filling and bananas into pie shell.

Apple orchard, Hamilton, Mass.

May is milk month and time for

Banana Milk Shake

1 fully ripe banana* 1 cup (8 ounces) COLD milk

**Use fully ripe banana . . . peel well-flecked with brown*

Peel banana. Slice into a bowl and beat with a rotary egg beater or electric mixer until smooth and creamy. Add milk; mix well. Serve immediately.

Makes 1 large or 2 medium-sized drinks.

Variations

BANANA CHOCOLATE MILK SHAKE: Add 1 tablespoon chocolate syrup before mixing milk shake.

BANANA CHOCOLATE MALTED MILK SHAKE: Add 4 teaspoons chocolate malted milk and ¼ teaspoon vanilla before mixing milk shake.

BANANA ORANGE MILK SHAKE: Use ½ cup orange juice in place of half of the milk. Add ½ teaspoonful sugar before mixing milk shake.

BANANA PINEAPPLE MILK SHAKE: Use ¼ cup canned, unsweetened pineapple juice in place of a fourth of the milk before mixing milk shake.

BANANA SPICED MILK SHAKE: Sprinkle ground nutmeg or cinnamon on top of milk shake just before serving.

BANANA VANILLA MILK SHAKE: Add ½ teaspoon vanilla before mixing milk shake.

Important: For a COLDER DRINK, add about 2 tablespoons of crushed ice, and ice cream if desired, before mixing milk shake.

For a SWEETER DRINK, add ice cream or plain sugar syrup.

Macy, "West Brick" and "Middle Brick" houses, Nantucket, Mass.

Mighty popular with young and old . . .

Banana Split

1 ripe banana*
3 balls or scoops ice cream
2 to 3 tablespoons chocolate sauce
4 to 6 tablespoons fruit sauce, crushed fruit or preserves
Whipped cream
Finely chopped nuts
Cherry or berry

**Use fully ripe banana . . . yellow peel flecked with brown*

Peel banana and cut lengthwise into halves. Place halves cut side up, side by side, into a shallow dish. Place balls or scoops of ice cream, side by side, in center on top of banana halves. Pour chocolate sauce over 1 portion of ice cream. Cover other 2 portions of ice cream with fruit sauce, crushed fruit or preserves. Garnish with whipped cream, nuts and cherry or berry, if desired.

Makes 1 full-sized Banana Split.

Important: Butterscotch or marshmallow sauce may be used in place of chocolate sauce.

One, two or three flavors of ice cream may be used.

Lobster pots at Cape Porpoise, Maine.

July means hot weather and cooling

Salmon Salad Tropical

1 cup sliced or diced, ripe bananas* (1 to 2 bananas)
½ cup drained, diced, canned pineapple
1 to 1½ cups cooked, flaked salmon (fresh or canned)
½ to 1 cup diced celery
2 tablespoons chopped sweet pickle
1 teaspoon salt
1 tablespoon mayonnaise or salad dressing
1 tablespoon prepared mustard
Lettuce
Salad greens for garnish

**Use fully ripe bananas . . . yellow peel flecked with brown*

Combine bananas and pineapple. Add salmon, celery, pickle and salt. Mix together mayonnaise or salad dressing and mustard and add to banana mixture. Mix lightly. Combine 2 or 3 crisp lettuce leaves to form a cup and arrange on each salad plate. Fill each lettuce cup with salad mixture. Garnish salad with crisp salad greens.

Four to six servings.

Variations

TUNA AND BANANA SALAD: In place of salmon, use 1 to 1½ cups (one 7-ounce or one 12-ounce can) cooked, flaked tuna.

CHICKEN SALAD TROPICAL: In place of salmon, use 1 to 1½ cups, diced, cooked chicken.

Important: When canned salmon or tuna is used, drain and mix liquid with the mayonnaise or salad dressing.

One tablespoon of lemon juice may be added to the mayonnaise or salad dressing, if desired.

For additional color and texture contrast, cold, cooked peas, crisp carrot strips or radishes may be arranged on each salad.

Country store, Plymouth, Vermont.

A New England custom . . . porch suppers with

Banana Chiffon Cake

2¼ cups sifted cake flour
1½ cups sugar
3 teaspoons baking powder
1 teaspoon salt
½ cup cooking or salad oil
5 medium-sized egg yolks, unbeaten
1 cup mashed ripe bananas* (2 to 3 bananas)
1 tablespoon fresh lemon juice
½ teaspoon cream of tartar
1 cup egg whites (7 or 8)

**Use fully ripe bananas . . . yellow peel flecked with brown*

Sift together flour, sugar, baking powder and salt into mixing bowl. Make a "well" in dry ingredients and add in order, oil, egg yolks, bananas and lemon juice. Beat until smooth. Add cream of tartar to egg whites. Beat egg whites in a large mixing bowl until they form very stiff peaks. DO NOT UNDERBEAT. Gradually and gently fold banana mixture into egg whites, just until blended. DO NOT STIR. Pour into ungreased, 10-inch tube pan, 4 inches deep. Bake in a moderate oven (325°F.) about 1 hour 5 minutes, or until cake is done. Immediately turn pan upside down, placing the tube part over a small-necked bottle or funnel so that the pan is elevated about 1 inch above surface of table. Let cake hang until cold. Loosen cake from sides and tube of pan with spatula. Turn pan over and tap edge sharply to loosen cake. Spread top and sides of cake with your favorite frosting, if desired.

Makes one 10-inch tube cake (16 to 20 servings).

Lighthouse at Truro, Cape Cod, Mass.

Schooldays call for lunches and

Banana Drop Cookies

2¼ cups sifted flour
1 cup sugar
2 teaspoons baking powder
¼ teaspoon baking soda
¾ teaspoon salt
⅔ cup shortening
2 eggs
1 cup mashed ripe bananas* (2 to 3 bananas)
1 teaspoon vanilla
¼ teaspoon cinnamon
1 tablespoon sugar

**Use fully ripe bananas . . . yellow peel flecked with brown*

Sift together flour, sugar, baking powder, soda and salt into mixing bowl. Cut in shortening. Add eggs, bananas and vanilla and beat until thoroughly blended. Drop by teaspoonfuls about 1½ inches apart, onto ungreased cookie pans. Sprinkle with a mixture of cinnamon and 1 tablespoon sugar. Bake in a moderately hot oven (400°F.) about 12 minutes, or until cookies are done. Remove baked cookies from pan immediately.

Makes about 3 dozen medium-sized cookies.

Variation

BANANA CHOCOLATE CUP COOKIES: Fold 1 package (6 oz.) semi-sweet chocolate pieces into cookie batter.

Bullet Hill School, built in 1778, at Southbury, Conn.

October is the time for delicious

Banana Apple Betty

2 tart apples
3 firm bananas*
¾ cup sugar
½ teaspoon cinnamon
¼ teaspoon nutmeg
¼ teaspoon salt
2 cups soft bread crumbs, tightly packed
3 tablespoons butter or margarine, melted
1½ teaspoons lemon juice
1½ teaspoons lemon rind

**Use all-yellow bananas*

Pare, core and slice apples. Peel bananas and cut crosswise into slices about ½ inch thick. Mix lightly fruit, sugar, cinnamon, nutmeg and salt. Mix bread crumbs with half the butter or margarine. Place crumbs and fruit into a greased baking pan (8 x 8 x 2 inches), using crumbs for top and bottom layers. Combine lemon juice, lemon rind and remaining butter or margarine and pour over mixture. Bake in a moderate oven (375°F.) about 45 minutes, or until apples are tender and top is browned. Serve hot with cream, fruit sauce or whipped cream, if desired.

Makes 4 to 6 servings.

Old mill, Granby, Conn.

A Thanksgiving favorite is

Banana Cranberry Cream Pie

1 envelope unflavored gelatin
¼ cup cold water
2 cups whole cranberry sauce
2 tablespoons lemon juice
1 teaspoon lemon rind
2 ripe bananas*
1 baked 9-inch pie shell
1 cup heavy cream, whipped

**Use fully ripe bananas . . . yellow peel flecked with brown*

Soften gelatin in cold water. Mix together cranberry sauce, lemon juice and lemon rind. Dissolve gelatin over hot water. Stir into cranberry sauce mixture. Chill mixture until slightly thickened. Peel and slice bananas. Fold lightly into cranberry mixture. Pour into pie shell and chill until firm. Top with whipped cream. Garnish with additional slices of ripe banana, if desired.

Makes 1 9-inch pie.

Famous Faneuil Hall, Boston, Mass.

Festive fare for the holidays

Holiday Banana Tea Bread

- 1¾ cups sifted flour
- 2 teaspoons baking powder
- ¼ teaspoon baking soda
- ½ teaspoon salt
- ⅓ cup shortening
- ⅔ cup sugar
- 2 eggs, well-beaten
- 1 cup mashed ripe bananas* (2 to 3 bananas)
- ½ cup walnuts or pecans, broken
- ¼ cup (2 ounces) finely cut, candied pineapple
- ¼ cup (2 ounces) finely cut, candied cherries
- ¼ cup (2 ounces) thinly sliced citron
- ¼ cup (2 ounces) finely cut, candied orange peel
- ¼ cup raisins

**Use either fully ripe or all-yellow bananas*

Sift together flour, baking powder, soda and salt. Beat shortening until creamy in mixing bowl. Add sugar gradually to shortening and continue beating until light and fluffy. Add eggs and beat well. Add flour mixture alternately with bananas, a small amount at a time, mixing after each addition only enough to moisten dry ingredients. Add nuts, pineapple, cherries, citron, orange peel and raisins, mixing only enough to distribute fruit evenly. Turn into well-greased bread pan (8½ x 4½ x 2½ inches) and bake in a moderate oven (350°F.) about 1 hour 10 minutes or until bread is done.

Makes 1 loaf.

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CHIQUITA BANANA hopes that you enjoyed Samuel Chamberlain's beautiful pictures of picturesque New England.

The photographs which were selected for this booklet show just a few of the many thousand scenes that make New England such a beautiful area.

RECIPE BOOK *FREE...*

For a copy of Chiquita Banana's beautifully illustrated recipe book (one of the few in which all pictures are in full color) try any one of the recipes on the preceding pages. Then tell us on a postcard or in a letter how you liked the recipe, and we will send you a *free* copy of this cookbook with its many delicious recipes.

For FREE REPRINTS of this insert, write to

UNITED FRUIT COMPANY,
Pier 3, North River, New York 6, N. Y.

Printed in U.S.A., 1952

Glooms the pig:

"The lives of swine are short and sorry—
Pig today and pork tomorry."

HIS ATTENTION WAS DIVERTED

Johnson—"I saw Mat this morning."

Jackson—"Ah! ha!"

Johnson—"Yes, and I had a great mind to speak to him. He owes me $50."

Jackson—"I hear he has been sick. How was he looking?"

Johnson—"Well, he was looking the other way when I met him."

JUST BETWEEN US COWS

Says the bright young Black Angus calf (who ought to have her tail twisted) to her friend the Jersey: "The difference between a milk cow and a beef cow is, they'll only want **you** for what they can get out of you, while they'll want **me** for what **I am.**"

(*The Rural New Yorker*)

WORDS OF WISDOM

Life never gets a goldfish down.

An apple a day keeps the doctor away—unless it's a green one.

Only believe half of what you hear. Then get it in writing.

No axe cuts so well as the one you had before.

As the little dog said when they cut off his tail, "It won't be long now."

There is nothing nicer than a little bit of money (as we have mentioned before).

THEY SHALL HEAR THE TRUTH TWICE

The Reverend Dr. Strong of Hartford, Conn. (this was back in the 1870's) was not often outwitted by his congregation. On one occasion he had invited a young minister to preach for him, but he proved a dull speaker and interminably long. The congregation was thoroughly wearied before it was all over. Now those were the days when the two a day Sunday service was in order—and a matter of conscience. Time for the afteruoon service rolled around.

Dr. Strong lived near the bridge across the Connecticut and about the time for beginning of the service he saw his people flocking in great numbers across the bridge to the "other" church. He readily understood that they feared, if they came to his church, they might hear the same young man in the afternoon. Collecting his wits he said to the young minister, "My brother who ministers at the church across the river is very feeble and I know he will take it kindly if you will preach to his people. If you will agree, I will give you a note to him, and be as much obliged to you as I would to have you preach for me. And I want you to preach the same sermon that you preached to my people this morning."

The young minister, supposing this to be a recommendation of his sermon, started off in good spirits, delivered his note, and was most cordially invited to preach. He saw before him at least half of Dr. Strong's people, and they had to listen for two hours to the same sermon they had heard in the morning.

And with that we are reminded that we have always wanted to requote the following from the Old Farmer of 1896.

TWO PRAYERS

Our minister gets up to pray,
and lets the spirit flow,
And tells the Lord a lot er things
he thinks he ought to know;
Tells him about the government,
how politics'll turn,—
Coz He don't mix in politics and
hez no way to learn.

He preaches on the President,
and describes his evil natur',
And gives away the Cabinet and
our venal legislatur':
Shows how corruption festers, an'
tells of things, I fear,
That the Lord—they come so
sudden—will be surprised to
hear.

He takes the cyclopedy, an' he
weaves it in his prayer,
Sandwiched in with choice statistics which he picks everywhere.
They say the Lord knows everything,—sometimes I uster
doubt;
Now, I know, our pastor tells
him; thet's the way he finds it
out.

In the meetin' t'other eveniu' he
lifted up his face,
And much interestin' gossip laid
before the Throne of Grace.
Chunks of useful information did
he shrewdly intersperse,
That would make the Lord enlightened ez to all the universe.

Then Jim Drew, the drunken
sailor, jest rlz up in the aisle,
And though 'twas in a holy place,
we couldn't help but smile;
But Deacon Briggs he nudged me
hard; sez he, "Don't grin that
way,
For don't you see he's sober, and
the rascal's goin' to pray."

(Continued on page 91)

LATEST DEVELOPMENTS IN AGRICULTURAL SCIENCE

FEEDS AND BREEDS

As we write this, it is reported that the musk ox (true name is Ovibos) will be brought back to New England, which used to be part of his normal range. As you read this, perhaps John J. Teal of McGill University will be domesticating the beasts on his farm for the Vermont Animal Research Foundation. Ovibos can put up with any amount of snow and can live off forage that would not support a cow or a sheep. Half way between sheep and cow, Ovibos has meat that is better than beef, wool that is the lightest and the softest known, and milk that is as good as cow's milk. Theoretically Ovibos will require no attention. The question is—can he be domesticated?

Calves fed aureomycin concentrate made 12 to 14% greater gains than like fed calves getting no aureomycin in a recent test at the Vermont Agricultural Experiment Station. The greater gains of the anti-biotic-fed calves were produced with only slightly more feed. The supplemented calves made better use of their feed, requiring 1.58 pounds of total nutrients to produce a pound of gain while the control calves consumed 1.72.

Aureomycin in the form of an ointment is invaluable to stop mastitis, the number one interrupter in the flow of saleable milk.

The National Farm Chemurgic Council rates the use of a newly processed synthetic milk substitute for sow's milk as one of the most important scientific developments of the past year. This synthetic milk is composed of dried milk by-products, fats, vitamins, minerals and terramycin, and is known as terralac. Pigs using terralac can be taken from their mothers within 48 hours of birth as against the usual weaning age of 56 days. Less mortality on pigs fed on terralac, and at 13 weeks they will average to weigh 98 pounds against the 70 pounds of litter mates raised on the mother. Another advantage is that a sow freed of its litter holds its weight and condition and can raise three litters a year instead of two. Actually this synthetic milk can be used to raise all kinds of other animals with equally good results. Price is, at the present, 35 cents a pound and it will take about 12 pounds to get the pig to the weaning age.

How would you like a nice midget turkey for your Sunday dinner —plump and full-grown at about 8 pounds. G. T. Klein of the University of Massachusetts says that if you want to get into the raising of these midget birds the best and most uniform strain he knows is the Beltsville. They are readily available and the price of poults is not prohibitive.

Maybe you know about the pheasant-chicken. There is such a bird —a true (and often thought impossible) cross between a pheasant and a chicken. James H. Knowles of Centralia, Washington, has produced the bird and named it the Northwester Pheasant-Chicken. After twelve years of experimenting crossing pheasants and hens, it wasn't until 1944 that he got his first fertile hybrid. The Northwester Pheasant-Chicken requires nine consecutive matings by pheasants and chickens—two strains of pheasants, Ringneck and Mongolian, and two strains of chickens, Cornish and New Hampshire. The bird sells for about 10 cents a pound more than chicken, but it has as much as 15 per cent more edible meat pound for pound, is broader breasted, and the drumsticks are white meat. 17 million of them went to market last year and there will probably be twice that number in 1953.

CHEMICAL CONTROLS

The disheartening feature of chemicals to control insects and other pests is that while like DDT they may be almost 100% efficient when first used, they become less and less efficient over the years as immunity is built up against them. We still have our plagues of caterpillars that will not succumb, when they ought, to all the wonders of chemical control we can command. The mosquito

and the housefly have apparently bred a new hardiness to offset our strongest assaults. By and large, however, we have kept ahead of insects and other pests by finding more powerful or utterly different chemical controls. We just wonder if we always will.

In the meantime we are finding new uses for DDT, and new places to use it, where birds and friendly insects have no immunity against it. It is of real concern to the farmer where airplane spraying of DDT is used over woodlands or marshlands nearby. There is, too, the problem of herbicides, used to destroy brush and weeds. More than 100 million acres are probably herbicided annually now with 2,4-D, 2,4,5-T and Ammate (for woody plants) and TCA for grasses. Where to destroy and when and how often directly concerns the life of our birds, since we destroy their covers and natural feeds. There has been no rule of thumb set down for use of herbicides and insecticides to do the least amount of danger to bird and beast and man. Commonsense, careful observation, and cautious reluctance to overuse these materials must guide us at the present.

For general area-wide control, the entomologists recommend less dependence on chemical sprays and dusts and more dependence on permanent control methods. They believe more emphasis should be placed on draining and filling mosquito-breeding areas, and stocking bodies of water with fish that eat the mosquito larva.

They encourage less extensive use of chemical insecticides against mosquito larva if it is practical to direct control efforts against adult mosquitoes. There is evidence that resistance builds up more rapidly when insecticides are used on larva than it does when they are used against adult mosquitoes.

MISCELLANY

On how to get rid of farm surpluses the **Farm Journal** in a poll of its readers found that a livestock solution was number one in farmers' choice. Farmers point out "that livestock cannot only eliminate most surpluses, but can at the same time improve the national diet, help conserve soil, provide more employment within agriculture, and return more of the consumer's food dollar to the farmer."

25 years from now we'll have another 25 million people as U. S. customers for our farm surpluses. By that time chemurgic research will have found many more uses for crops, and several new crops will be established.

Write your state extension director (see pages 69 and 70 for names of directors) for a list of publications put out by your state's extension service. In these you will find information about all the latest wrinkles covering everything from Animal Husbandry to "How to Grow Salad Greens and Pot Herbs in Winter."

Science is sometimes just commonsense and here are a number of commonsense ways to get rid of woodchucks in their holes: the use of cyanogas bombs. Gasoline-soaked burlap bags have been used in two ways. (1) Stuff the soaked rags down the holes and fill in the entrances. (2) Stuff the rags down the hole, drop a match in. Another method is to use 10 parts salt mixed with 1 part arsenate of lead, then put the mixture way down the hole where pets can't get at it. Whatever method you choose, use it before the chucks have their young in early summer.

The latest in baled hay are the rolled bales, the advantage being that their curved surfaces turn moisture and rain and protect the sealed-in layers beneath.

Your barn can be a damp place, almost sure to be highly humid, for a single dairy cow gives off over a gallon of moisture as vapor every day. Use of waterproof resorcinol glue in the precision manufacture of barn and utility rafters is a modern answer to overcoming effects of such dampness.

MACHINES

What appeared a couple of years ago as an interesting and promising method of applying fungicides and insecticides in orchards, has now become established practice in many large orchards. We refer to the use of concentrate materials in a mist sprayer. What the mist sprayer does is make use of a terrific air blast to carry the fine particles into the trees, since the particles are too small to be forced any distance by the pressure when expelled from the nozzles. It is customary to use concentrations of materials (DDT, lead, sulphur, etc.) of 2 to 8 times that used in standard dilute sprays. The advantage of the concentrate-mist sprayer method is that the coverage over a greater area than by the old dilute spray method and the coverage far more even and complete due to the excessive fineness of the droplets. The method is said to be actually cheaper than the old dilute spray methods.

TREES

The chestnut trees of New England long-since attacked and destroyed by blight—most of them—are still making abortive attempts at a come-back, but usually as shoots from old stumps. We have no real hope for a generation of saplings. Some nurseries are now putting on the market hardy Chinese chestnuts that will grow anywhere in the United States—and this is good news indeed. Two or more trees must be planted for pollination.

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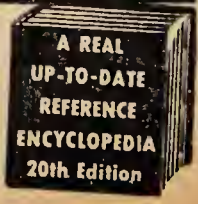

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Arizona:	C. U. Pickrell, University of Arizona, Tucson.
Arkansas:	(Lippert S. Ellis, College of Agriculture, University of Arkansas, Fayetteville) *(C. A. Vines, Associate Director, 421 W. Capitol Ave., Little Rock).
California:	J. Earl Coke, College of Agriculture, University of California, Berkeley 4.
Colorado:	F. A. Anderson, Colorado Agricultural and Mechanical College, Fort Collins.
Connecticut:	R. G. Hepburn, Associate Director, University of Connecticut, Storrs.
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Florida:	H. G. Clayton, Agricultural Extension Service, Experiment Station, Gainesville.
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Idaho:	D. R. Theophilus, College of Agriculture, University of Idaho, Moscow. *(C. O. Youngstrom, Assistant Director, State House, Boise)
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New Mexico:	Robert A. Nichols, New Mexico College of Agriculture and Mechanic Arts, State College.
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West Virginia:	J. O. Knapp, College of Agriculture, West Virginia University, Morgantown.
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GREAT SHIPS

October 4, 1953 will be the 100th anniversary of the launching of the largest ship in the world. A monument on Castle Island, Boston Harbor, commemorates this event. She was 4355 tons, register; and 6000 tons capacity, 325 feet long, 53 foot beam, 39 feet depth of hold. To build her were used a million and a half feet of hard pine, over 2000 tons of white oak, 336 tons of iron, 50 tons of copper, and 15,653 square yards of canvas. She was called The Great Republic.

July 7, 1953 will also mark the first anniversary of the first Atlantic crossing of the new American liner—the United States—in the course of which she set a new Eastward coursing record of three days, ten hours and 40 minutes. The United States is but a mere 53,330 tons compared to the 83,673 tons of the Queen Mary—the largest ship afloat. The Queen Elizabeth (81,235 tons) previously held the record which she won in 1936 with a crossing of that of the United States plus ten hours and 2 minutes. The "Mary" has never pushed herself for a try at the record and probably never will.

MOBY DICK, 1951

An albino sperm whale of 56 ton was taken in December 1951 off the coast of Peru by the whaler, Anglo Norse (French Registry). Roald Daler, of Tonsberg, Norway, has photographs of this catch.

More Epitaphs

Sent in by Clara J. Hallett

Hannah Gree, Spinster
Died at the age of 92;
God takes the good, too good
On earth to stay
And leaves the bad too bad
To take away.

Added by a wag:
And that's the cause of Hannah's
Long delay.

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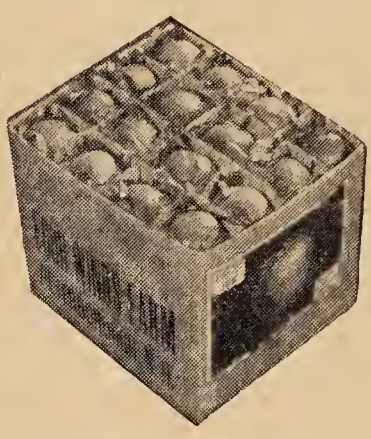

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(*See offer on page 8*)

THOSE NORTHERN LIGHTS

A vulgar opinion which persisted even unto the 1952 OFA is that the Aurora Borealis was never seen in England until March 6, 1715. More research on the subject (at the instance of a few irate readers) prompts us now to write that the first account in an English book of said lights appeared January 30, 1560—with subsequent accounts—October 7, 1564 and November 14, 1574.

You will also find said lights mentioned in the Bible (Maccabees V-1, 2, 3, 4.) They were known to and mentioned by Aristotle is his **De Meteoris**. They were, of course, known in England long before the Norman Conquest (See Matt. of Westminster.) The nearest approach to these northern lights in products made by the hand and brain of man is the Neon Light, seen on every Main Street, from Gill, Massachusetts to the Point de las Reyes, California.

'QUAKE FORECAST

Earthquake periods are on the Moon's phase the greatest strain on the earth is at Full, New, First Quarter, Last Quarter, and if the Moon is north of the equator the northern Hemisphere is most likely to be affected, and when in the south the southern Hemisphere. The periods are 72 hours each side of the time of Full and New Moon, and 24 hours each side of the time of Last and First Quarter Moon. About 80% of earthquakes occur in these periods. Earthquakes can occur at any time or at any place, but the Sun's rays are reflected from the Moon on the Earth with a greater strain at these periods.

Very truly yours,
Dr. H. Field Smith.
St. Petersburg, Fla.

Ed. Note. OFA readers will find the symbols telling of the Moon in relation to the Equator on pages 13-35 of this edition —also the dates and hour of the phases of the moon are to be found on the left hand pages 12-34.

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PRINCIPAL HOLIDAYS, ETC. IN 1953

America has no nationwide holidays. Each state determines its own. In the table that follows (*) indicates those quite generally observed by all states; (**) indicates those for only certain states; and (***) indicates days usually observed in some localities though probably not observed as holidays. Only continental United States is covered here. These dates are also all indicated on right hand calendar pages (13-35) in abbreviated form.

Jan. 1 (*) New Year's Day
Jan. 8 (**) Battle of New Orleans
Jan. 19 (**) Robert E. Lee's Birthday
Jan. 20 (**) Inaugural Day (D.C.)
Jan. 26 (**) MacArthur Day (Ark.)
Jan. 30 (**) F. D. R.'s Day
Feb. 4 (**) Arbor Day (Ariz.)
Feb. 12 (**) Abraham Lincoln's Birthday
Feb. 14 (**) Admission Day (Arizona)
Feb. 14 (***) Valentine's Day
Feb. 15 (***) Susan B. Anthony Day
Feb. 17 (**) Mardi Gras (Ala., Fla., La.)
Feb. 22 (*) George Washington's Birthday
Mar. 1 (**) State Day (Nebraska)
Mar. 2 (**) Texas Independence Day
Mar. 7 (**) Burbank Day (Cal.)
Mar. 15 (**) Jackson Day (Tennessee)
Mar. 17 (**) St. Patrick's or Evacuation Day (Boston)
Mar. 25 (**) Maryland Day
Apr. 1 (**) State Election (Michigan)
Apr. 3 (**) Good Friday (Conn., Del., Fla., La., Md., Minn., N. J., Penn. & Tenn.)
Apr. 6 (**) Easter Monday (N. C.)
Apr. 12 (**) Halifax Day (N. Car.)
Apr. 13 (**) Jefferson Day (Mo., Okla., Va.)
Apr. 14 (***) Pan American Day
Apr. 19 (**) Patriots' Day (Me., Mass.)
Apr. 21 (**) San Jacinto Day (Texas)
Apr. 22 (**) Arbor Day (Nebr.)
Apr. 22 (**) Okla. Day
Apr. 24 (**) Arbor & Bird Day (Mass.)
Apr. 26 (**) Memorial Day (Fla., Ga., Miss.)
Apr. 27 (**) Fast Day (N. H.)
May 4 (**) R. I. Independence Day
May 10 (**) Memorial Day (N. C. & S. C.)
May 10 (***) Mother's Day
May 16 (**) Armed Forces Day
May 20 (**) Mecklenburg Day (N. C.)
May 20 (**) Citizenship Day
May 30 (*) Decoration or Memorial Day
June 3 (**) Jefferson Davis Day (Ala., Ark., Fla., Ga., La., Miss., S. C., Tenn., Tex. & Va.)
June 14 (**) Flag Day (Mo. & Pa.)
June 15 (**) Pioneer Day (Idaho)
June 17 (**) Bunker Hill Day (Suffolk County, Mass.)
June 20 (**) West Virginia Day
June 21 (***) Father's Day
July 4 (*) Independence Day
July 13 (**) Forrest's Day (Tenn.)
July 24 (**) Pioneer Day (Utah)
Aug. 1 (**) Colorado Day
Aug. 14 (**) Victory Day (R. I.)
Aug. 16 (**) Bennington, Vt. Battle Day
Aug. 30 (**) Huey Long Day (La.)
Sept. 7 (*) Labor Day
Sept. 9 (**) Admission Day (Cal.)
Sept. 12 (**) Defender's Day (Md.)
Sept. 14 (**) Election Day (Me.)
Sept. 16 (**) Cherokee Day (Okla.)
Sept. 17 (***) Constitution Day
Sept. 28 (***) Am. Indian Day
Oct. 5 (**) Missouri Day
Oct. 10 (**) Okla. Hist. Day
Oct. 12 (*) Columbus Day
Oct. 31 (**) Nevada Day
Nov. 1 (**) All Saints' Day (La.)
Nov. 3 (*) Election Day
Nov. 4 (**) Will Rogers Day (Okla.)
Nov. 11 (**) Armistice Day
Nov. 23 (**) Repudiation Day (Md.)
Nov. 26 (*) Thanksgiving Day
Dec. 7 (**) Delaware Day
Dec. 21 (***) Forefather's Day
Dec. 25 (*) Christmas Day

THE PLANETARY PARADE, 1953

(FACT, NOT FANCY.)

The distribution of the Planets in the sky during 1953 brings several groupings worthy of note.

Venus and Mars, both Evening Stars during the first quarter of the year, keep close company during January, February and March, marred only by a disparity of brightness that favors Venus, the brighter. Their company is closest about January 17 when Venus, moving more swiftly to the eastward across the heavens, overtakes and passes within less than a Moon's breadth of Mars. A young crescent moon joins this picture the next evening, January 18, to form a pretty triangle, as it does again on February 17 and March 17.

About April 1, Venus and Mars moving eastward together across the starry background, overtake Jupiter, the third evening star of the year's early months and the three form a fairly close triangle on the evenings about that date in the western sky after sunset.

The hours before sunrise bring other close planetary groupings in the last months of the year, though one such occurs in the latter half of July, when Venus and Jupiter are close neighbors for a while. During October it is Venus and Mars which provide the spectacle, especially on October 4 when Venus passes within an apparent hair's breadth of Mars. The following morning the waning moon joins them to make a triumvirate.

A month later, in mid-November, Venus and Saturn are close heavenly neighbors.

Mercury, that planet little seen unless close watch is kept, has a helpful identifier in Venus in late April, when, on the mornings centering on April 27, they are together in the eastern sky before sunrise with Mercury to the lower right of brighter Venus. On November 14, Mercury makes itself visible, by transiting the bright face of the Sun as it passes through inferior conjunction. The transit is but a grazing one with Mercury crossing high on the sun's disc.

SPACE-WORLD FLEDGLINGS.

(SCIENCE-FICTION.)

We are farther ahead in our space-world thinking than anyone ever dreamed or wrote we would be. The expressions—in some cases, actual accomplishments, of our scientists, have long since left that dean of all dreamers, Jules Verne, back in the doldrums of a factual world.

Messages are now being picked up in New York such as "What God Hath Wrought" in Morse code, reflected back from the Moon, originally sent to the Moon from Philadelphia. Our Viking type rocket has penetrated into the 134th mile (from the earth's surface) of the atmosphere. Instrumentation of rockets with cameras and other devices is making possible temperature, density, meteor and other studies never attempted before. Ionization stratification, containing meteor particle clouds, in eight layers, some 3 miles thick, beginning at some 62 miles above our heads, have displaced the ancient conception of a visible dome. At this 62-mile ceiling, solar radiation in wave length ranges from 1425 to 1650 A°—undergoes rapid transition from O_2 to O_1.

In that valuable publication, **American Rocket Society News**, May-June 1952 issue, is reported a lecture by one Wernher von Braun, rocket expert, technical director for guided missile development, Redstone Arsenal, at Huntsville, Alabama. Before a capacity audience, Dr. von Braun "described the possibility, within the next 10 or 15 years, of a man made Satellite—a 250 ft. wide, wheel shaped space station . . . this artificial moon, which will be carried into space, piece by piece, by rocket ships, will have specially designed powerful telescopes, optical screens, radarscopes, and cameras. It will travel along a celestial route 1075 miles above the earth, completing a trip around the globe every two hours, at a speed of 15,840 mph." It will "be capable of carrying a crew and some 30 or 40 tons of cargo," will be "24 stories tall, weighing 7000 tons," and have "three power plants driven by a combination of hydrazine and nitric acid." Included will be "ample reserves for the return trip to earth."

Along with such stuff we were confronted recently with the statements of a respected friend that a fellow member with him on a board of directors had been told by one of America's foremost airmen that it was possible that "flying saucers" were being motivated

by some sort of detectable intelligence. The airman was said to have stated that no other explanation was possible of his experience in watching, while he was travelling close to the speed of sound, one of these saucers encircle his plane three times—and then disappear into space.

THE RAIN-MAKERS, 1953

(IMPROBABLE PROBABILITIES)

"I think," said Dr. Irving Langmuir, pioneer with Vincent Schaefer and other General Electric Company scientists in silver iodide cloud seeding back in 1946-47, "that in one or two years man will be able to abolish most damage effects from hurricanes." Former Mayor O'Dwyer of New York City, now out of range in Mexico City, bit—gave Dr. Wallace E. Howell, Harvard's proponent in this school of advanced thinking, a year's contract (February 1950-51) to perform cloud seeding which might alleviate drought conditions. When Mother Nature eventually came across on November 25, 1950, with heavy storms, the city awoke to find its municipal funds being used to make a survey to show Howell's experiments had been failures—and threatened with damage suits of over two million dollars.

When one is told by knowledgeable scientists that the total atmospheric effect of our largest atom bomb explosion would hardly be noticeable alongside a small thunderstorm, it is little wonder that experienced meteorologists are aghast at the number of otherwise sensible men and women who now still entertain such magnificent dreams as those which Dr. Langmuir expressed back in 1946-47.

Cloud seeding, as nearly as we can determine, has wonderful laboratory significance—might even be of some value in specific instances when the right kind of cloud is hanging over the right kind of land pocket—but, in the over-exaggerated thinking now being entertained about it, makes as little sense, for wide area or substantial weather control, as did the foolery of medicine men.

In a speech at the Keene Teachers College before the New Hampshire Academy of Science, May 5, 1951, Dr. Howell concerned himself with the special problem of snowfall stimulation for New Hampshire skiing.

"I do not think it is outside the realm of probability to say that the snow depth (by December 19 at Bethlehem) might be boosted in a two inch season to four inches."

An Associated Press dispatch from Washington, July 17, 1951, contained an official U. S. Weather Bureau report on this whole matter. Congress, it said, put up funds; the Weather Bureau, Air Force, Navy and National Advisory Committee for Aeronautics had completed some 40 cloud seeding tests to determine the "economic importance and usefulness" of rain-making with dry ice and other stimulators. "Man definitely can't do it in winter-time" are the exact words in the AP dispatch used to describe the Weather Bureau's final answer.

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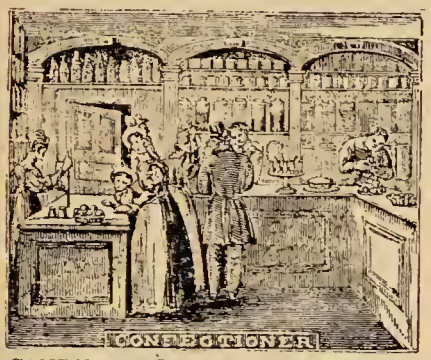
A PANORAMA

OF AMERICAN

PROFESSIONS AND TRADES; 1839

EMBELLISHED WITH THE ENGRAVINGS OF EDWARD HAZEN.

In many of which (as machines and mass production supplant manpower) 1953 finds thriving home and small business men and women, craftsmen, and hobbyists . . . at work and play.



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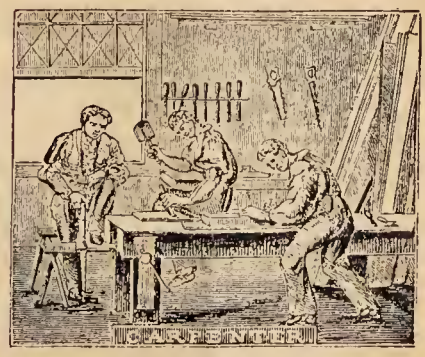

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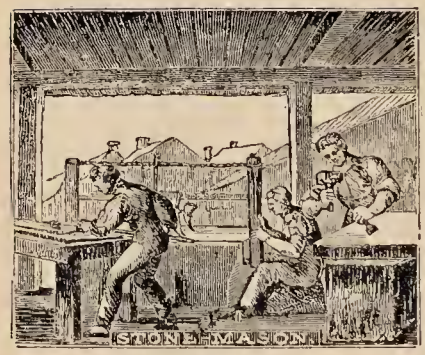

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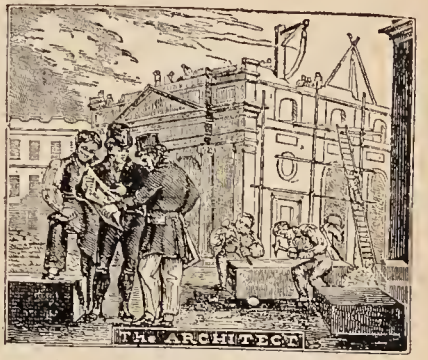

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NOT ALL ARTISTS STARVE.

LEONARDO'S OF 1953.

GONE BUT NOT FORGOTTEN.

SHAMPOO TODAY, MADAM?

HOME-COOKED SELLS WELL.

WORD CHARADES

(For answers turn to page 109)

1

My **first** a piece of water is;
My **second** an exclamation:
My **third** is used by fishermen:
My **whole** defends the nation.

2

With letters five my name you spell,
Or numerals call them quite as well;
My **first** a 100 as you see,
My **fifth** just half as much will be,
My **second** and **third** will give us four,
And **third** and **fourth** will make two more;
My **whole** is what we all must be
To make us patterns of courtesy.

3

My **first** gives light and heat, no doubt;
My **second** keeps the robbers out;
My **whole** is heard in deadly strife,
Destroying or preserving life.

4

My **first** to my **whole** my **second** should be,
Then all would be members of one family.

5

My **first** is a plaything, my **second** no one wishes to play with, and my **whole** plays with nobody.

6

When parched earth in sunshine basks,
Or rain and hail in torrents fall,
My **second** shelters from them all
And schoolboys busy at their tasks
Do what my **first** imports,
And are my **whole** when they are done
And they resume their sports.

7

Five letters do comprise my name,
From every point I'm still the same;
Pray, read me, and you'll quickly see,
What time will make both you and me.

8

My **first** is French, my **second** English and my **whole** is Latin.

9

My **first** a useful instrument
To lawyers when on business bent;
My **second's** lord of all creation,
Sea and land and every nation;
My **third**, my **second** made with art,
To trade with many a foreign part.
My **whole** you'll see, that, when combined,
A useful art to all you'll find.

10

A man of fourscore winters white
Sat dozing in his chair;
His frosted brow was quite my **first**,
With glorious silver hair.
My **whole** lay playing at his feet
And a glance upward stole;
My **second** I ean wager you,
Was father of my **whole.**

11

My **first** is **half**, my **second whole**, and my **whole** is a **half.**

12

My **first** is a dwelling, my **second** is a dwelling, and my **whole** is a dwelling.

13

Just two thirds of ten and one third of eleven,
My **first** and my **second** contain;
For my **third** you must take four parts of the seven
Composing a grammar. Then plain
To your view you will find that my **whole** is displayed,
Denoting a message that is quickly conveyed.

14

My **first** is a kind of butter; my **second** is a kind of licker; my **whole** is a kind of charger.

15

I know a boy; his name's my **last**,
And yet he is my **first**,
Because of all the scamps I know,
He really is the worst.

I saw him tumble down today
And on the pavement roll;
I saw him fight another boy,
I saw him get my **whole.**

His old cap was my **whole**, I think;
A tattered coat he had;
And yet withall, he seemed to be
A very merry lad.

Carolyn Wells

16

Straight like an arrow to my **first**,
Amid a silvery shower
Of song, my startled **total** burst
From yonder leafy bower.
My merry **last**, the ploughman's eloek,
Not only poets praise
Thy skill, the shepherd leaves his flock
To hearken to thy lays.

Norman D. Gray

EASTER DATES

Bancroft H. Brown, Professor of Mathematics at Dartmouth College.

Easter may be as early as March 22, and as late as April 25. There are thus 35 days on which Easter may occur. Together with the fact that the year may be Common or Leap, there are 35 times 2, or 70 different Church calendars. Of these 70 possible calendars, 63 have actually occurred since the Gregorian Calendar Reform in 1582 A.D. The other 7 will eventually occur—unless the system is changed—but Easter on April 24 in a Leap year will not occur until 4292 A.D.

March 22	34 times
23	67
24	87
25	133
26	171
27	199
28	218
April 19	262
20	229
21	208
22	173
23	120
24	99
25	52

The intermediate dates average 232 with small fluctuations.

The actual rules for the determination of Easter are so incredibly complicated and arbitrary, that it is surprising to find any definite pattern appearing from them. However, it is demonstrable that in every century, Easter is on the same day in the 1st and 96th years; also on the 2nd and 97th; also on the 3rd and 98th. It is also demonstrable that no other rule of this kind exists.

NEW "ANNIVERSARIES"

The Wedding Anniversary List has been modernized by the Jewelry Industry Council. So, now it looks like this:

1st, Clocks; 2nd, China; 3rd, Crystal & Glass; 4th, Electrical Appliances; 5th, Silverware; 6th, Wood; 7th, Desk Sets; 8th, Linens & Laces; 9th, Leather; 10th, Diamond Jewelry; 11th Fashion Jewelry; 12th, Pearls-Colored Gems; 13th, Textiles & Furs; 14th. Gold Jewelry; 15th, Watches; 16th, Silver Holloware; 17th, Furniture; 18th, Porcelain; 19th, Bronze; 20th, Platinum; 25th, Sterling Silver; 30th, Diamond; 35th, Jade; 40th, Ruby; 45th, Sapphire; 50th, Gold Holloware; 55th, Emerald; 60th, Diamond (Watches, Compacts, etc.).

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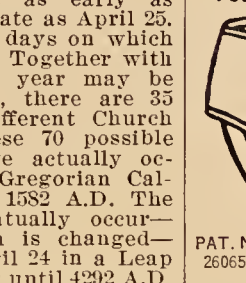

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NOW HEARS CLOCK TICK

Mr. Beech, Newark, N. J. writes:

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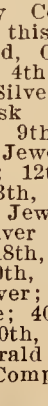

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NO-TO-BAC CO.

DEPT. OF HEWLETT, NEW YORK

OLD-FASHIONED PUZZLES

(Answers on page 109)

Conundrums

1. Who is everyone's visitor but no one's guest; and everywhere welcome but never invited in?
2. What drum is best when it cannot be beaten?
3. What is always a hazardous ship to embark in?
4. What musical instrument invites one to fish?
5. How should one measure the gait of a horse?
6. What part of a fish is like the end of a book?

Riddles

1

I scamper to school with the children;
I stay with the baby at home.
With the feet of civilized mortals,
All over the world I roam.

Across the lawn and the terrace
I stretch like a snake in the grass.
I am loved by the birds and the blossoms,
But not by the people who pass.

I wait for the tired mother,
When her household cares are done;
But only with sighs she greets me,—
Never with smiles,—not one.

2

We bring you words of weal and woe,
And with your messages we speed.
But when we've traveled to and fro
We're worthless things indeed.

At home, alas! we're stamped upon.
We're served the same in distant places.
Ah, well! our usefulness is gone,
We show it on our faces.

Problems

1. Thirteen children dance in a ring holding hands. How many rings may they form without a child ever taking any other child by the hand twice?

2. A farmer had a square field containing ten acres, and his neighbor has a rectangular field half as wide containing nine acres. How many more rods of fence would it take to fence in the nine-acre field than the ten-acre one?

3. A twenty-foot ladder, the bottom of which rests fifteen feet out from the wall of a building, just reaches the eaves which project three feet out from the wall. If the bottom of the ladder is moved one foot further out, how far away from where it was at first will the top of the ladder rest?

Anagrams

1

My second transposed has oft proved a snare,
And has ruined the lives of full many a score:
Has put rags on their backs, filled asylums and jails,
And driven my whole from the door.
Now if you would my first, abstainers will say,
The victims of sorrows and wrong,
Set them an example, the curse throw away;
Your joy will be great and your life may be long.

2

I met my whole in a far distant land,
Shiftless and wild he roamed upon the sand.
"Are you my last?" with sudden fear I said.
He only said my first and shook his head.
Yet, but reverse the letters of my whole.
A friend you'll see, a noble, loving soul.

3

What is that word for weeks we send
Within a letter to a friend?
Go ahead, it says to each;
And though it blusters in its speech
And likes to drive us, one and all,
'Twill never bring us to a fall.
But if you should the word transpose,
A wondrous change it will disclose.
What once had power to do despite,
Will fill you now with keen delight.
Though large or small, or strong or frail,
Its sweet enchantment will prevail.

4

Fruit of the fields, luscious and sweet,
By some esteemed a special treat.
Transposed they still are good to eat,
And still are fruit but far from sweet.
Transposed again they're not so cheering,
But quite the opposite appearing.

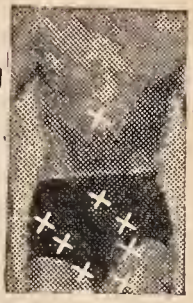
"NOT ADVERTISING"

On a preceeding page of this Almanae you will find the advertisement of the Joseph Harris Company of Rochester, New York — seedsmen since goodness knows when. It is common knowledge that nowadays the seed houses in general have beeome far removed from the soil, and seemingly far more interested in making a penny or two by the sale of some gadget to a name on their mailing lists—than in the promotion of better vegetables and flowers. The Joseph Harris Company is an (if not the) exception to this rule. Our experienee with them indieates more than satisfaetory resnlts from their seeds and plants . . . and in their service. It is not often we pause to reeommend in this Almanae—and we never do in order to obtain advertisements. In this ease it is our feeling that with the seed business in its present state, some attention should be called to at least one house sneeessfully swimming against the tide.

A query by Ted Manus of 1176 94th St., Brooklyn, N. Y.: Did a native of Vermont at one time reeeive a book from an angel in strange hieroglyphics which he translated with Miraculous aid?

Know the answer?

LOOK
for Rupture Help



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30 DAYS TRIAL!

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ATTRACTIVE STYLES

NAME.....

STREET.....

CITY..... STATE... DEPT. OF53

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MOTOR VEHICLE LAWS — 1952

Courtesy: American Automobile Association

State	Op. Rd. Speed Max. (R—reasonable)	Date new license plates can be used	Driving license* Minimum age	Gasoline tax	Percent sales tax	Period of stay[1]	Safety responsibility law	Certificate of title required
Alabama	R	Oct. 1	16	$.06	1	Reciprocal	yes	no
Arizona	60	Dec. 15	18	.05	2	[3]	yes	yes
Arkansas	55	Jan. 1	18	.065	2	30 days	no	yes
California	55	Jan. 1	16	.045	3	[3]	yes	yes
Colorado	60	On issue	16	.06	2	Reciprocal	yes	yes
Connecticut	45	Feb. 15	16	.04	2	Reciprocal	yes	no
Delaware	55	3mos.bth.	16	.05	...	Reciprocal	yes	yes
D. C.	25	Mar. 1	16	.04	...	Reciprocal	yes	yes
Florida	60	Jan. 5	16	.07	...	Reciprocal	yes	yes
Georgia	55	Jan. 1	16	.06	3	30 days	yes	no
Idaho	R	Jan. 2	16	.06	...	Reciprocal	yes	yes
Illinois	R	Dec. 31	15	.04	2	Reciprocal	yes	yes
Indiana	R	Jan. 2	16	.04	...	60 days	yes	yes
Iowa	R	Dec. 1	16	.04	2	Reciprocal	yes	no
Kansas	R	Jan. 1	16	.05	2	Reciprocal	yes	yes
Kentucky	60	Dec. 29	16	.07	...	Reciprocal	yes	[6]
Louisiana	60	Jan. 1	15	.09	2	Reciprocal	no	yes
Maine	45	Dec. 25	15	.06	2	Reciprocal	yes	no
Maryland	50	Mar. 1	16	.05	2	Reciprocal	yes	yes
Massachusetts	40	Jan. 1	16	.043	...	Reciprocal	[9]	no
Michigan	R	On sale	16	.045	3	90 days	yes	yes
Minnesota	60	Nov. 1	15	.05	...	Reciprocal	yes	no
Mississippi	60	Nov. 1	17	.07	2	[3]	no	no
Missouri	R	On issue	16	.02	2	Reciprocal	yes	yes
Montana	55	Jan. 1	15	.06	...	30 days	yes	yes
Nebraska	60	Jan. 1	15½	.05	...	[3]	yes	yes
Nevada	R	Dec. 15	16	.055	...	No limit	yes	yes
New Hampshire	50	Mar. 1	16	.05	...	Reciprocal	yes	no
New Jersey	50	Mar. 1	17	.03	...	Reciprocal	yes	yes
New Mexico	60	Dec. 15	14	.06	2	90 days	yes	yes
New York	50	Jan. 1	18	.04	...	Reciprocal	yes	no
North Carolina	55	Dec. 1	16	.07	3[11]	Reciprocal	yes	yes
North Dakota	50	On issue	16	.05	2	Reciprocal	yes	yes
Ohio	50	Mar. 1	16	.04	3	Reciprocal	yes	yes
Oklahoma	65	Dec. 11	16	.065	2	60 days	yes	yes
Oregon	55	On issue	16	.06	...	Reciprocal	yes	yes
Pennsylvania	50	Mar. 15	18	.05	...	Reciprocal	yes	yes
Rhode Island	50	Mar. 1	16	.04	2	Reciprocal	yes	no
South Carolina	55	Sept. 18	14	.07	...	90 days	no	no
South Dakota	60	Jan. 1	15	.05	3[12]	90 days	yes	yes
Tennessee	R	Mar. 1	16	.07	2	30 days	yes	yes
Texas	60	Feb. 1	16	.05	1.1	Reciprocal	no	yes
Utah	60	Dec. 15	16	.05	2	Reciprocal	yes	yes
Vermont	50	Mar. 1	18	.05	...	Reciprocal	yes	no
Virginia	50	Mar. 15	15	.06	...	6 mos.	yes	yes
Washington	50	Nov. 15	16	.065	3	Reciprocal	yes	yes
West Virginia	55	June 20	16	.05	...	90 days	yes	yes
Wisconsin	65	On issue	16	.04	...	Reciprocal	yes	yes
Wyoming	60	Dec. 1	15	.05	2	90 days	yes	yes

[1]Applies to nonresidents. The term "reciprocal" means that the state will extend to a nonresident the identical privileges granted by his home state to nonresident motorists. In some states visitors must register within a specified time. In most states persons who intend to reside permanently must buy new plates and secure new driving license at once, or within a limited period. Acquisition of employment or placing children in public school is often considered intention to reside permanently.

[2]None on used cars.

[3]Until expiration of home registration.

[4]Three months before current registration expires.

[5]Use tax on new cars, first registration of used cars.

[6]Bill of sale must be filed.

[8]Permit showing compliance with state compulsory liability insurance law must be obtained after 30 days.

[9]State has compulsory insurance.

[11]$15 maximum.

[12]Registry tax on first registration in state.

*South Dakota does not require. All other states do.

Sixteen states increased Gas or Sales Tax from 1951 for 1952.

FARM LIFE is happier and **FARM WORK** goes easier when AMOCO products are on the job

AMOCO-GAS
the original special motor fuel

PERMALUBE MOTOR OIL
it cleans as it lubricates

AMOCO 158 GREASE
one lubricant for all purposes

AMERICAN OIL COMPANY . . . *from Maine to Florida*

DIGEST OF LATEST AVAILABLE FISH AND GAME LAWS

Courtesy: State Commissioners and Hunting & Fishing Magazine

Open seasons include both dates, "Rabbit" includes "hare"; "quail" includes "partridge" in South; "grouse" includes Canada grouse, sharptailed, ruffed (known as partridge in North and pheasant in South) and other members of family except prairie chickens, ptarmigan and sage hen. As many states do not complete laws for 1952-53 until after our press date, VERIFY in every case for changes even though the changes from year to year are not as a rule sensational. Limits are daily except those in italics which are seasonal.

JUNE 15, 1952

♂ males only. † local exceptions. ‡ non-resident exceptions. # Pounds.

State and Species	Seasons	Limits, Season
Alabama		
Deer	Nov. 20-Jan. 1 † ♂	*3*
Rabbit	Oct. 16-Feb. 20	*6*
Squirrel	N-Oct. 15-Jan. 15 S-Nov. 1-Jan. 1	*6*
Muskrat (fur), Otter	Nov. 20-Jan. 31	
Quail	Nov. 22-Feb. 20	*8*
Turkey	Special	*5*
Bass	No closed season	10
White. bass	No closed season	15
Bream	No closed season	30
Crappie, wh. pch.	No closed season	20
Jack Salmon	No closed season	10
W.-eye pike	No closed season	15
Alaska		
Bison	Oct. 1-15	1
Deer	E. Sep. 1-Nov. 15 ♂ W. Sep. 15-Oct. 15 ♂	*2*‡
Moose	E. Sep. 15-Oct. 14 ♂ W. Sep. 1-20, Dec. 1-20	*1*
Bear, br. & grz.	Sept. 1-June 20†	*2*
Bear, black	E. Sept. 1-Jan. 20 W. No closed season Special Zones	*3* *2*
Caribou	E. Aug. 20-Nov. 15	*1*‡
Mountain goat	W. Sep. 1-Oct. 31	
Mountain sheep	Aug. 20-31†	*1*‡
Rabbit	No closed season†	
Grouse & Ptar'g'n	Sept. 1-Feb. 28 † agg.	10
Trout & grayling	†	15†
Arizona		
Elk	Nov. 17-Dec. 2	1
Deer	By zones	*1*
Rabbit	Dec. 1-Feb. 28	*6*
Javelina	Mar. 1-31	
Antelope	By Permit	
Buffalo	By Permit	
Turkey	Oct. 9-13	1
Trout	May 5-Sept. 30	10
Bass	No closed season	10
Bluegill	No closed season	10
Chan. Catfish	No closed season	10
Arkansas		
Deer	Nov. 10-15 ♂ Dec. 8-13 ♂	
Squirrel	Oct. 1-Dec. 31	*1*
Quail	Dec. 1-Jan. 31	8
Turkey	Apr. 1-10	8
Bass, black	May 16-Mar. 16	1
Trout	May 16-Oct. 31	8
Pike, Jack salmon	No closed season	6
Bream, perch	No closed season	6
Lake Bass	No closed season	20
California		
Deer	C.-Aug. 9-Sept. 14 S.-Sept. 20-Oct. 19	*2* *1*
Bear	C.-Aug. 9-Dec. 31 S.-Sept. 20-Dec. 31	2 4
Rabbit, Ctn. T.	Nov. 22-Dec. 4	
Rabbit, Jack	Jan. 1-Aug. 31	8
Quail	Nov. 22-Dec. 31†	2
Pheasant	Nov. 22-Dec. 1 ♂	15
Trout (exc. gldn) (Sp. wntr seas.)	May 3-Oct. 31†	
Salmon	May 3-Oct. 31†	15
Bass, black	May 3-Feb. 28	5
Sunfish, Perch	May 3-Feb. 28	25
Calif. (cont.)		
Striped Bass	No closed season	2
Catfish, shad	No closed season	15
Colorado		
Deer	Oct. 15-31†	1
Elk ♂		1
Bear		1
Antelope	Oct. 13-15-Nov. 7-9	1
Quail	Not set	8
Pheasant	Not set	3
Rabbit	Oct. 15-Dec. 31	5
All fish (Lakes under 7000	May 25-Oct. 31 ft. open all year)	10 to 20
Connecticut		
Deer	By permit	1
Rabbit	Nov. 1-Dec. 31	*30*
Squirrel	Oct. 21-Nov. 25	*30*
Quail	Discretionary	
Pheasant ♂	Oct. 21-Nov. 25	*15*
Grouse	Oct. 21-Nov. 25	*15*
Trout	Apr. 16-July 15	10
Lake trout	Apr. 16-Oct. 31	3
Pickerel	Apr. 16-Feb. 9	6
Wall-eye	Apr. 16-Feb. 9	6
Bass, black	July 1-Oct. 31	10
Bass, striped	Apr. 16-Feb. 9	10
Perch	Apr. 16-Feb. 9	15†
Salmon, sockeye	Apr. 16-Aug. 31	5
Shad	Apr. 16-July 15	
Alewives	Apr. 1-Jun. 15	
Delaware		
Rabbit	Nov. 15-Dec. 31	6
Squirrel	Sept. 15-Nov. 1	6
Quail	Nov. 15-Dec. 31	12
Pheasant	Nov. 15-Dec. 31 ♂	*6*
Bass	June 25-Feb. 1	6
Pike, pkl., w. eyed pike	June 25-Mar. 1	6
Trout	Apr. 16-Aug. 15	6
Florida		
Deer, male	Nov. 20-Jan. 6† ♂	*2*
Squirrel	Nov. 20-Feb. 1†	10
Quail	Nov. 20-Feb. 1†	10
Turkey	Nov. 20-Feb. 1†	*2*
Bass, black	No closed season	8
Bream, perch	No closed season	20
Tarpon	No closed season	
Georgia		
Deer	Nov. 10-25 ♂	*1*
Bear	Nov. 20-Feb. 15†	
Squirrel	Nov. 1-Jan. 5	10
Quail	Nov. 25-Feb. 25	15
Grouse	Nov. 20-Feb. 25	3
Turkey	Nov. 15-Feb. 15†	*2*
Rabbit	No closed season	
Opossum	Oct. 1-Feb. 15	
Bass, striped	No closed season†	10
Bass, black	No closed season†	10
Bass, rock	No closed season†	10
Bass, Ky. or r.-eye	No closed season†	10
Bream, perch	No closed season†	25
Crappie	No closed season†	15
Pickerel	No closed season†	15
Wall-eyed pike	No closed season†	3
Muskellunge	No closed season†	2
Trout	Apr. 1-Nov. 15†	10

Idaho		
Moose	By permit	1
Deer, elk	Local seasons	1
Mt. goats, sheep	By permit	
Quail	Not set	
Pheasant	Not set	
Rabbit (Ctnt)	Oct. 1-Jan. 31	4
Hun. partridge	Not set	
Sage hen	Not set	
Grouse, other	Not set	2
Pheasant	Not set	2
Rabbit	Oct. 1-Jan. 31	4
Trout	June 4-Oct. 31	7#
Black Bass	No closed season	10#
Sturgeon	No closed season	1
Bass (l-mouth)	No closed season	10
Crappie, Perch, Sunfish	No closed season	25
		1
Bass (s-mouth)	Not set	
Salmon (steelhd.)	June 4-Oct. 31	2
Illinois		
Rabbit	Nov. 11-Jan. 15	8
Squirrel	Special zones	5
Quail	Nov. 11-Dec. 11	10
Pheasant	Nov. 11-Nov. 25†	2
Bass, black	No closed season	10
Bass (rk., wrmth. wh., yel.)		50 (75 in ag- g.)
crappies, sunf., blue-gills	No closed season	
Buffalo, bullhd., catf., carp, shphd.	No closed season	
Trout	Apr. 1-Sept. 30	8
Perch	No closed season	
Pickerel	May 1-Nov. 30	8
Wall-eyed pike	May 1-Feb. 15	8
Bass, S.M.	Special zones	10
Lake tr., white-fish	No closed season	
Indiana		
Rabbit	Nov. 10-Jan. 10	5
Squirrel	Not set	5
Quail	Nov. 10-Dec. 20	10
Pheasant	Dates not set	
Hun. partridge	Nov. 10-Dec. 20	5
Bluegill, rd.-eared sunf., crappie	No closed season	25 in ag- g, 6 in ag- g.
Rock bass	June 16-Apr. 30	
Bass, silv. or yel., bl., Ky., wh. or str.	June 16-Apr. 30	
Pike-perch	June 16-Apr. 30	6
Pike or pickerel	June 16-Apr. 30	6
Yellow perch	June 16-Apr. 30	
Trout	May 1-Aug. 31	15
Chan. catfish	No closed season	
Iowa		
Rabbit	Not set	10
Squirrel	Not set	6
Pheasant	Not set	2
Quail	Not set	8
Hungarian partridge	Date not set	
Trout	May 1-Nov. 30	8
Northern pike	May 15-Feb. 15	5
Bass	May 30-Feb. 15	5
Pike, sand or saug., w.-eyed	May 15-Feb. 15	8
Bullheads	No closed season	25
Yell. pch. and bass, yellow str., silver	May 15-Feb. 15	15
Crap., cal. bass	No closed season	15
Catfish	Apr. 15-Nov. 30†	8
Kansas		
Squirrel	June 15-Nov. 30	8
Quail	Not set	
Pheasant	Not set	
Rabbit	Dec. 15-Oct. 15	
Bass	May 26-Apr. 24	10
Kentucky		
Rabbit	Nov. 20-Jan. 10	8
Squirrel	Aug. 20-Nov. 5	6
Ken, (cont,)		
Quail	Nov. 20-Jan. 10	10
Ruffed Grouse	Nov. 20-Dec. 15	2
Bass, black	No closed season	10
Trout	No closed season	10
W.-eyed pike, sand pike or sauger	No closed season	15 10
Striped bass	No closed season	15
Crappie	No closed season	15
Rock bass	No closed season	15
Muskellunge	No closed season	
Louisiana		
Deer	Nov. 15-Jan. 10 †	1
Bear	Closed	1
Rabbit	Oct. 15-Feb. 15	5
Squirrel	Oct. 5-Dec. 21	8
Quail	Dec. 1-Feb. 10	10
Turkey	Closed	1
Bass, black, yel., white	No closed season	15
Crappie	No closed season	25
Sunfish	No closed season	25
		50
Maine		
Deer	Oct. 21-Nov. 30†	1
Bear	No closed season	
Rabbit	Oct. 1-Feb. 28†	4
Squirrel	Oct. 1-Oct. 31	4
Pheasant	Oct. 1-Nov. 15	2
Grouse	Oct. 1-Nov. 15	4
Salmon, togue(a)	Ice out-Sept. 30	25
Salmon, togue(b)	Ice out-Sept. 15	25
Salmon, togue(c)	Ice out-Aug. 15	25
Trout(a)	Ice out-Sept. 30	25
Trout(b)	Ice out-Sept. 15	25
Trout (c)	Ice out-Aug. 15	25
Wb. perch(a)	Ice out-Sept. 30	25
Wb. perch(b)	Ice out-Sept. 15	25
Wb. perch(c)	Ice out-Aug. 15	25
Black bass(a)	June 21-Sept. 30	10
Black bass(b)	June 21-Sept. 15	25
Black bass(c)	June 21-Aug. 15	25
Black bass (fly)	June 1-20	3
Pickerel	No closed season	10†
a-Lakes & ponds		
b-Riv. abv. tidewtr.		
c-Brooks, streams		
Maryland		
Deer	Dec. 3-8 ♂†	1
Squirrel	Oct. 10-31	6
Quail	Nov. 15-Dec. 31†	6
Grouse	Nov. 15-Dec. 31†	2
Pheasant	Nov. 15-Dec. 31† ♂	2
Turkey	Nov. 15-Nov. 30†	1
Trout	Apr. 15-July 15	10
Bass-non-tdl.	July 1-Nov. 30	10
Str. (rck.) bass, non-tdl. wtrs.	Mar. 15-Nov. 30	10
Wall-eyed pike	Apr. 1-Nov. 15	10
Pike, pickerel	July 1-Nov. 30	10
Perch	No closed season	15
Catfish	Feb. 15-Nov. 30†	
Massachusetts		
Deer	Dec. 3-8	1
Hare	Oct. 20-Feb. 5	2
Rabbit, (Ctnt)	Oct. 20-Feb. 5	5
Squirrel	Oct. 20-Nov. 20	5
Quail	Oct. 20-Nov. 20†	4
Grouse	Oct. 20-Nov. 20	2
Pheasant	Oct. 20-Nov. 20 ♂	2
Bass	July 1-Feb. 15	5
Pike	Apr. 15-Feb. 15	5
Muskellunge	Apr. 15-Feb. 15	5
Pickerel	Apr. 15-Feb. 15	10
White perch	Apr. 15-Feb. 15	15
Salmon	Apr. 15-July 31	5
Trout	Apr. 15-July 31†	12
Bluegls., cal. bass, crapple, hrnd. pout, sunfish, yel. pch.	Apr. 15-Feb. 15	20
Michigan		
Bear	Not set	1
Rabbit	Not set	5
Deer	Not set	1
Grouse, prairie chicken	Not set	3

Michigan (cont.)		
Pheasant	Not set	*8*
Squirrel	Not set	10
Trout	Apr. 28-Sept. 14	5
Lake Trout	Apr. 28-Sept. 14	15†
Black Bass	June 21-Sept. 14†	5†
No. pike, pk. pcb.	Apr. 26-Sept. 14	5
Muskellunge	Apr. 26-Mar. 15	
Crappie, whtf,	No closed season	25
White bass	No closed season	10
Crappie, rk. bass, yel. pch. bluegills, sunfish	No closed season .	25†
Whitefish	No closed season	7

Minnesota		
Deer (Bow and Arrow)	Not set	*1*
Deer	Not set	*1*
Bear	Not set	
Squirrel	Not set	7
Quail	Not set	10
Pheasant	Not set	3
Rabbit	Not set	15
Raccoon	Not set	
W.-eyed pike, saugers, gt. no. pike, pickerel	May 12-Feb. 15†	8
Muskellunge	May 12-Feb. 15†	2
Bass	June 23-Nov. 30†	6
Trout	May 1-Sept. 5†	15
Lake Trout	Dec. 29-Feb. 15† May 1-Sept. 30†	5
Crappies, sunfish wh. & rk. bass	May 12-Feb. 15†	15
Catfish	May 12-Feb. 15†	10
Bullheads	May 12-Feb. 15†	50
Whitefish	May 12-Feb. 15†	
Buffalo	May 12-Feb. 15†	

Mississippi		
Deer	Nov. 20-Dec. 26	*1*
Bear	No open season	
Rabbit	Any open season	5
Squirrel	Oct. 14-Dec. 15	5
Quail	Dec. 10-Feb. 10†	8
Turkey	Nov. 20-Dec. 26†	*1*
Bass	No closed season	15
Crappie	No closed season	15
White perch	No closed season	15
Sunfish		25

Missouri		
Deer	Not set (res. only)	1
Rabbit	May 30-Oct. 31 Nov. 10-Feb. 28	
Squirrel	Nov. 10-30	6
Quail	Nov. 10-Dec. 31	10
Stizostedion	May 30-Nov. 30	4
Micropterus	May 30-Nov. 30	6
Salmo and salvelinus	Mar. 1-Nov. 30	6
Roccus & morone	Mar. 15-Nov. 30	9
Ambloplites	Mar. 15-Nov. 30	9
Chaneobryttus	Mar. 15-Nov. 30	
Pomoxis	Mar. 15-Nov. 30	12
Ictalurus	Mar. 15-Nov. 30	6
Lepomis pallidos*	Mar. 15-Nov. 30	12

Montana		
Antelope	Sept. 5-Nov. 9†	1
Deer	Oct. 15-Nov. 15† ♂	*1*
Bear	Apr. 15-Nov. 15†	*1*†
Elk	Oct. 1-Jan. 30†	
Moose	Sept. 15-Dec. 31†	1
Goat	Local seasons	*1*†
Grouse	Dates not set	
Quail, turkey		
Sage ben		
Hun. partridge		
Pheasant		
All game fish	May 18-Nov. 15	15

Nebraska		
Deer	Special permits	1
Quail	Nov. 1-25†	7
Rabbit	Sept. 25-Jan. 31 May 1-Dec. 31	10
Squirrel	Oct. 1-Dec. 31	5
Pheasant	Oct. 26-Nov. 25 ♂†	5
Grouse	Nov. 10-12†	2
Trout	Apr. Oct.31†	7

Neb. (cont.)		
Bass, black rock bass	No closed season†	10
Crappie, sunf.,	No closed season†	15
Bullheads	No closed season†	15
Catfish	No closed season†	10
Perch	No closed season†	25
Pike, w.-eye, saug. no'tbn.	No closed season†	5
Muskrat,	1. Dec. 15-Mar. 15	
Mink	2. Nov. 15-Jan. 15	

Nevada		
Antelope	Not set	1
Deer	Not set	*1*
Rabbit	Not set	
Quail	Dates not set	
Pheasant	Dates not set	
All game fish	Apr. 15-Oct. 1	25

New Hampshire		
Deer	North—Nov.1-30 South—Dec.1-31	*1*
Bear	No closed season	3
Rabbit, hare	Oct. 1-Mar. 1	5
Squirrel	Oct. 1-Nov. 1	
Quail	No open season	*25*
Grouse	Oct. 1-Dec. 1	*10*
Pheasant	Oct. 15-Nov. 16 ♂†	10
Trout, brook	May 1-Aug. 31	2
Lake Trout	Jan. 1-Sept. 30†	2
Lake Trout (fly)	September	2
Salmon	Apr. 1-Aug. 31	4
Trout, golden	Apr. 1-Aug.31	5#
Bass	July 1-Oct. 31†	
Pike-perch	May 28-Oct. 31†	
Pickerel	May 28-Jan. 31	10#
Mink, otter muskrat	Nov. 1-Feb. 1	

New Jersey		
Deer	Not available	1
Archery		
Rabbit, squirrel		6
Quail		10
Grouse		3
Pheasant		*30*
Trout	Apr. 12-Sept. 30	8
Pike, pick'l, pike-perch	May 20-Nov. 30	10
Bass, bl., Oswego, white	June 5-Nov. 30	5
Calico, rock bass, crappie	No closed season	
Bass, striped	Apr. 1-Nov. 30	
Wh., yel. pcb., catf., sunf.	No closed season	10

New Mexico		
Deer	Nov. 8-19	
Elk	Not set	
Bear	Sept. 1-Nov. 3 Nov. 8-30	
Antelope	Shooting by permit† ♂	
Turkey	Nov. 8-Nov. 19†	
Squirrel	No closed season	
Trout	N. May 1-Oct. 31 S. May 25-Oct. 31	
Bass, pike pch. Chan. catf. Crappie Sunf., ring pcb. and bream	Apr. 1-Mar. 31 June 1-Nov. 30	
Bullhd., yel. and mud catfish	No closed season	

New York		
Deer	Oct. 25-Nov. 30† ♂	*1*
Bear	Oct. 25-Nov. 30†	*1*
Rabbit	By dept. order	6†
Squirrel	Oct. 17-Nov. 21	5
Quail	Nov. 1-15	4†
Grouse	Not set	2
Pheasant ♂	Not set	1
Raccoon	N. Oct. 25-Jan. 1 S. Oct. 29-Nov. 4	
Black bass	July 1-Nov. 30†	6†
Striped bass	No closed season	
Muskellunge	July 1-Dec. 1†	†
Salmon, ldlckd.	Apr. 1-Sept. 10	2
Salmon, chinook	Apr. 1-Sept. 10	3
Pike-perch	May 1-Mar. 1†	10†
Pickerel	May 1-Mar. 1†	10†

N, Y. (cont.)		
Gt. no'n. pike	May 1-Mar. 1†	10†
Trout, brk., br., r'bow	Apr. 12-Sept. 7	10†
Lake trout	Apr. 1-Sept. 10	3†
Bullheads	No closed season†	†
Whitefish	Apr. 1-Sept. 10†	†
Perch, white	No closed season	25†
Perch, yellow	No closed season†	
Long Island		
Squirrel	Nov. 1-Dec. 31	5
Grouse	Not set	2
Pheasant	Nov. 1-Dec. 31	4
Quail	Nov. 1-Dec. 31	4
North Carolina		
Deer	Oct. 15-Jan. 1	1
Bear	Oct. 15-Jan. 1	2
Rabbit	Nov. 27-Jan. 31	5
Pheasant	Nov. 1-Jan. 31	
Squirrel	Oct. 15-Jan. 1	8
Quail	Nov. 27-Jan. 31	8
Grouse		2
Turkey		1
Russian boar	Oct. 15-Jan. 2	1
Raccoon	Oct. 15-Feb. 15	
Trout	Apr. 15-Aug. 31	10
Bass, black	No closed season	8
Pike, walleyed	No closed season	5
Bass, striped	No closed season	8
Trout	Apr. 15-Aug. 31	10
North Dakota		
Deer	Not set	1
Sharptail	Not set	3
Pin'd grouse		
Sage & ruffed grouse; part'ge	Dates not set	
Pheasant	Not set	4
Bass	June 16-Oct. 31	5
Wall-eyed pike, northern pike	May 16-Oct. 31	5
Sunfish	May 16-Feb. 28	15
Trout, Salmon	May 2-Sept. 30	5
Perch, Crapple	May 16-Feb. 28	
Ohio		
Deer	Not set	1
Rabbit	Not set	4
Squirrel	Not set	4
Pheasant	Not set	
Hun. partridge	Not set	
Grouse	Not set	2
INLAND DIST.		
Muskellunge	No closed season†	2
Wall-eyed pike	No closed season†	6
Sauger	No closed season†	6
Trout	No closed season†	
Bass	No closed season†	
LAKE ERIE DIST.		
Muskellunge	No closed season†	
Wall-eyed pike	No closed season†	
Sauger	No closed season†	
Trout	No closed season†	
Bass	No closed season†	
Oklahoma		
Deer	Not set	1
Squirrel	May 15-Jan. 1	10
Quail	Inter. (Nov.-Jan.)	10
Pheasant	Not set	
Bass	No closed season†	10
Chan. catfish	No closed season†	15
Crappie	No closed season†	15
Trout	No closed season	
Oregon		
Deer	Not set	*1*
Elk	Not set	1
Antelope	Not set	1
Squirrel	Not set	5
Quail	Not set	5
Blue Sage Hen	Not set	2
Grouse, other	Not set	5
Pheasant	Not set	2
Hun. partridge	Not set	
Trout, salmon, steelhead, less than 20"	Apr. 14-Sept. 30	10
Bass, black;		
Perch, crappie, catf., sunf., bream, pike	No closed season	30
Str. bass, Shad	No closed season	15
	No closed season	1
Pennsylvania		
Deer, female	No open season	
Deer, 2 pt. ant.	Nov. 29-Dec. 11 Dec. 3-15	1
Deer, no ant.	Not set	1
Bear	Nov. 19-24	1
Rabbit, Cttl.	Nov. 1-30	4
Raccoon	Nov. 1-Feb. 1	
Squirrel	Nov. 1-30	6
Quail, Bbwht.	Nov. 1-17	4
Grouse, Rfd.	Nov. 1-17	2
Pheas'nt,ŕgnk,m.	Nov. 1-30	2
Turkey	Nov. 1-30†	1
Partridge, Hun.	Nov. 1-13	2
Hare, snshoe	Dec. 24-Jan. 1	6
Trout	May 3-Sept. 15	8
Trout, lk. or sal.	May 3-Sept. 25 Dec. 29-Feb. 15	5 6
Bass	Jun. 21-Nov. 30	6
Pike-perch	May 17-Feb. 15	6
Pickerel	May 17-Feb. 15	3
Yell. pch., rock bass, str. or cal. bass, wh.; crappie, sunf., catf., suckers, carp	No closed season	15
Rhode Island		
Rabbit	Nov. 1-Dec. 31†	5
Hare	Nov. 1-Dec. 31	2
Squirrel	Nov. 1-Dec. 31	5
Quail	Nov. 1-Dec. 31	6
Grouse	Nov. 1-Dec. 31†	2
Pheasant	Nov. 1-Dec. 31 ♂	3
Bass	June 20-Feb. 20†	6
Pickerel	June 20-Feb. 20†	10
Trout	Apr. 15-July 15†	10
Striped bass	No closed season	
Perch, white	Apr. 15-Feb. 20	20
Perch, yellow	Apr. 15-Feb. 20	30
All fresh water fishing closed Feb. 21-Apr. 14, incl.		
South Carolina		
Deer	Nov. 15-22† ♂	*1*
Rabbit	Nov. 24-Feb. 15	
Squirrel	Oct. 15-Jan. 31	
Quail	Nov. 24-Feb. 15	
Turkey	Nov. 23-Mar. 1	*5*
Trout, speckled	Jan. 1-Oct. 1	20
Trout, rainbow	Jan. 1-Oct. 1	20
Bass	No closed season†	8†
South Dakota		
Deer	Not set	*1*
Grouse, prairie chicken	Not set	3
Pheasant		4
Hun. partridge		
Trout	May 1-Sept. 30	10
Bass, w.-eyed pike, pickerel	May 1-Apr. 30	6
Bluegills	May 1-Apr. 30	15
Bullheads, pch.	May 1-Feb. 28	50
Crappies, sunf.	May 1-Apr. 1	15
Tennessee		
Deer	Nov. 13-15 ♂†	*1*†
Bear	Oct. 16-Nov. 12	
Rabbit	Nov. 27-Jan. 25	5
Squirrel	Sept. 15-Dec. 15	6
Quail	Nov. 27-Jan. 25	8
Grouse	Nov. 27-Jan. 25	3
Wild boar	Oct. 16-Nov. 12	*1*†
Trout	Mar. 1-Oct. 1	10
Bass	May 30-Mar. 31	10
Raccoon	Oct. 15-Jan 25	
Opossum	Oct. 15-Jan. 25	
Red fox	Oct. 15-Jan. 25	
Rock bass	May 30-Mar. 31	10
White, str. bass	No closed season	20
Yellow bass or jacks	No closed season	25
Warmouth bass	No closed season	25
Bluegill bream	No closed season	25
Catfish	No closed season	
Buffalo	No closed season	
Texas		
Antelope	Oct. 1-9	1
Deer	Nov. 16-Dec. 31† ♂	*2*
Bear	Nov. 16-Dec. 31	*1*
Peccary	Nov. 16-Dec. 31 †	*2*

Texas (cont.)		
Squirrel	Oct. 1-Dec. 31†	
	May 1-July 31†	10
Quail	Dec. 1-Jan. 16†	12
Turkey	Nov. 16-Dec. 31† ♂	3
Bass, bl., sp'ted	No closed season	15
White bass	No closed season	25
Trout	No closed season	5
Crappie	No closed season	25
Catfish	No closed season	25
Utah		
Antelope	Not set	1
Deer	Not set	1
Elk (By permit)		
Bison	By permit	
Grouse, sage hen, prairie chicken	By permit	
Pheasant	Not set	3†
Quail		10
Bass	May 10-Oct. 12	12
Trout	Jun. 14-Oct. 7	12
Salmon	Jun. 14-Oct. 7	12
Vermont		
Deer	Nov. 14-27 ♂†	1
Squirrel	Oct. 1-Oct. 31	4
Rabbit	Oct. 1-Feb. 28	3
Quail	No open season	
Grouse	Oct. 1-Oct. 31	4
Pheasant	No open season	
Bear	June 1-Dec. 31	
Trout	May 1-Aug. 14	20
Lake trout, salmon	May 1-Aug. 31	2
Bass	July 1-Nov. 30	5
Muskellunge	June 15-Apr. 14	25#
Pike-perch	May 1-Mar. 14	25#
Pickerel	May 1-Mar. 14	25#
Smelt	June 1-Mar. 31	
Virginia		
Deer	Nov. 20-Jan. 5† ♂	1
Bear	Nov. 20-Jan. 5†	1
Elk	Closed season	
Rabbit	Nov. 20-Jan. 20†	75
Squirrel	E. Sept. 15-Nov. 20	
	W. Sept. 30-Jan. 20	125
Quail	E. Nov. 20-Jan. 20	15
	W. Nov. 20-Jan. 5	20
Grouse	Nov. 20-Jan. 5	4
Pheasant	Nov. 20-Jan. 5	8
Turkey	Nov. 20-Jan. 5	
Bass	W. June 20-Dec. 31.	
	E. June 1-Mar 15	8
Trout	May 1-Sept. 15	8
Pike	W. Same as bass	20
	E. June 1-Mar. 15	
Crappie	No closed season	
Bream	No closed season	25
Washington		
Deer	Local seasons	1
Bear	Special seasons	
Elk	Nov. 2-11 ♂	1
Mt. Goat	Sept. 14-30	1
Rabbit	W. Oct. 12-Feb. 28	5
	E. Oct. 12-Mar. 31	
Grouse	Sept. 13, 14, 20, 21, Oct. 5-12	3

Wash. (cont.)		
Quail	Oct. 12-Nov. 9	3
Pheasant	Oct. 12-Nov. 9	3
Hungarian partridge	Oct. 12-Nov. 9	5
Steelhead	Dec. 1-Feb. 28†	3
Other game fish		
Lowl'd lakes	E: May 21-Sept. 15	20
Gen'l season	W: May 21-Oct. 31	20
West Virginia		
Deer	Dec. 3-5†	1
Rabbit	Nov. 11-Jan. 3	4
Pheasant	Nov. 11-12 ♂	2
Raccoon	Nov. 3-Jan. 10	2
Bear	Nov. 3-29	1
Squirrel	Oct. 18-Nov. 29	4
Quail	Nov. 11-Dec. 13	7
Grouse	Oct. 18-Jan. 3	4
Turkey	Oct. 18-Nov. 8	1
Trout, rnbw., brown bk.	Apr. 28-Sept. 3	10
Bass	June 14-Mar. 14	8
Pickerel	No closed season	
Muskellunge, w. eyed pike	No closed season	
Rk.bass,crappie, sunf., bluegill	No closed season	
Catfish	No closed season	
Perch	No closed season	
Wisconsin		
Deer	Not set	1
Deer (bow & arrow)	Not set	1
Bear	Not set	
Raccoon	Not set	
Rabbit	Not set	3
Squirrel	Not set	3
Grouse	Not set	3
Pheasant	Not set	2
Hun. partridge	Not set	4
Quail	Not set	4
Bass, black	June 20-Jan. 15	5
Trout	May 3-Sept. 7	10
Lake trout	Apr. 1-Sept. 30†	5
Wall eyed pike, sauger	May 17-Jan. 15	5†
No. pike, pick'l	May 17-Jan. 15	5†
Muskellunge	May 25-Nov. 1	
Bass, other	No closed season	25
Catfish	No closed season	5
Sturgeon	Sept. 5-Oct. 15	5
Other panfish	No closed season	25†
Wyoming		
Deer	Local season† ♂	1
Moose	Local seasons ♂	1
Elk	Local season† ♂	1
Bear	Local seasons	1
Sheep	Local seasons† ♂	1
Antelope	Local seasons†	2
Pheasant	Not set	
Brook trout	May 1-Oct. 31	20
Other trout	May 1-Oct. 31†	12
Grayling	May 1-Oct. 31†	20
Bass	May 1-Oct. 31†	20
Whitefish	May 1-Oct. 31†	20

MIGRATORY BIRD LAWS

DO NOT HUNT ducks, geese, brant, coot, rails, gallinules, woodcock, or mourning dove until you have studied the laws on these birds issued in September, 1952, by the Fish and Wildlife Service, U. S. Dept. of Interior, Chicago 50, Illinois. The 1950 laws forbade the taking of any jacksnipe, Ross geese, or swan, and in some places, wood ducks, brant, snow geese, mourning dove, woodcock, and Canada geese. There is no point in trying to list here the very complicated seasons on ducks, geese, etc. They are changed **radically** every year and as a rule shortened.

FISHING TIME and WEATHER

Don't go by the barometer, says Dr. George Bennett, Aquatic Biologist, Urbana, Illinois. Dr. Edwin Cooper, Institute for Fisheries Research, Ann Arbor, Michigan agrees. Both men quote records extending from 6 months to two years of experiment to back up their statements. Similarly, James Sieh and John Parsons disclose in an Iowa Academy of Science Bulletin that wind direction, velocity, cloudiness or rain have little effect on fish bites. So all that's left is Astrology which says fish bite during the last quarter of the moon or during the new moon. We suggest that following the stocking truck around is about the only way you can catch fish nowadays — after the season has been open for a week.

Continued from page 65

He started in and sez, "Oh, Lord, I'm jest chuck full er sin,
An' there ain't no place, I reckin, for your merey to squeeze in;
For I'm jest good fer nothin', an' an ole wreck from the sea;
Take me—I ain't wuth takin'—but I give myself to Thee."

Then he broke down and blubbered out, and jest set down to bawl,
And then there came a loud "Amen!" that near burst through the wall.

We knew a spark of heavenly fire had touched this earthly clod.
For his soul in all its nakedness had shown itself to God.

There warn't much learnin' in his prayer, but yet it traveled far,
An' went floatin' up to glory, where the shinin' angels are.
The pastor's prayer so weighted down 'ith figgers, facts, and proof,
Got lodged among the rafters and never reached the roof.

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writes Mrs. M. Uebelacker of Mt. Vernon, N. Y.

"Now I don't suffer from 'hot flashes' and nervousness—feel fine," she adds.

• If you, too, are suffering from the irritable, restless feelings and hot flashes of change of life—listen! *In tests by doctors* Lydia Pinkham's Compound and Tablets gave relief of such functionally-caused distress in 63% and 80% (respectively) of the cases! *Complete or striking relief!*

Yes! Research has proved these medicines *thoroughly modern* in the relief they give from those nervous, "out of sorts" feelings of mid-life "change"!

Get Lydia Pinkham's Vegetable Compound or new Tablets with added iron! (*Wonderful, too, for functional pains of monthly menstrual periods.*)

It acts through sympathetic nervous system to relieve distress of "heat waves"!

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3. Brings up the tight phlegm.
4. Relieves the coughing spells.

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THE BEST TIME FOR CUTTING TIMBER

I trust I shall not be charged with egotism, by those who know me, when I say that I have wrought more kinds of timber than most men have, and for more uses than any I know of, and it has been my endeavour to determine what time for felling and what kind of timber is best for the use desired. And from the many observations I have made from both, I am satisfied and ready to say, without hesitation, that September is the best time, although I believe, that if the bark of timber trees could be taken off in June, without felling the tree or injury to the wood, and then let stand until September, the timber would be stronger and more durable. I have seen this done to elm, walnut, and maple. All these are considered of the most perishable kinds that are made use of for timber. —All of them proved to be two years afterwards. I have seen white oak timber felled in February and Mareh, the sap of the wood was perished September on one side of the logs. I have seen wood, cut in May and June, in which more than the sap of the wood was perished in one year. I have seen timber that was cut in September that the sap was perfectly sound and bright two years afterwards. I have used white maple for hoops to buckets that was cut in September that lasted 21 years in constant use, the first ten years for water, the remaining for feeding of swine. I have one now that was hooped with maple that was blown down in the September gale 1815, which is perfectly sound.—*Contribution to The New England Farmer 1824.*

THE THREE GREAT EXERTIONS

In Wales, England, the three great exertions of human labour in the world are known as the lifting of the stone of Sketty, the erection of Stonehenge, and the formation of Silbury Hill, near Kennet.

GESTATION AND REPRODUCTION TABLE

	Proper age for first mating	Period of power of reproduction in years	No. of females for one male	Period of gestation and incubation		
				Shortest days	Mean days	Longest days
Mare	3 yrs.	10 to 12		325	336	352
Stallion	4 "	12 to 15	20 to 30			
Cow	18-24 mos.	10 to 14		235	282	300
Bull	12-18 "	10 to 12	30 to 40			
Ewe	18 "	6		145	147	152
Ram	12-14 "	7	35 to 45			
Sow	9 "	6		110	114	120
Boar	9 "	6	8 to 12			
She Goat	18 "	6		147	151	155
He Goat	18 "	5	20 to 30			
Ass	3 yrs.	10 to 12		356	367	378
Jack	4 "	12 to 15	20 to 30			
She Buffalo	18-24 mos.	8		309	315	325
Bitch	16-18 "	8		58	63	67
Dog	12-16 "	8				
She Cat	12 mos.	6		58	60	64
He Cat	12 "	10	6 to 8			
Doe Rabbit	6 "	5 to 6		25	30	35
Buck Rabbit	6 "	5 to 6	30			
Cock	6 "	5 to 6	12 to 18			
Hen		5 to 6		19	21	24
Turkey				24	26	30
Duck				28	30	32
Goose				27	30	33
Pigeon				16	18	20
Pea Hen				25	28	30
Guinea Hen				20	23	25
Swan				40	42	45
Hen or Duck's Eggs				22	30	34

Also See Calendar Page 27.

REPRODUCTIVE CYCLE IN FARM ANIMALS

Courtesy F. N. Andrews — Purdue University

	Reoccurs if not Bred (Days)	Estrual Cycle incl. Heat Period (Days)		In Heat for		Usual Time of Ovulation
		Ave.	Range	Ave.	Range	
Mare	16	21	10–37	5–6 days	1–37 days	24–48 hours before end of estrus
Sow	19	21	18–24	2–3 days	1–5 days	Usually second day of estrus
Ewe	15	16	14–20	30 hours	20–42 hours	1 hour before end of estrus
Goat	19	20	12–25	36–48 hours	20–80 hours	Near end of estrus
Cow	20	19–20	16–24	16–20 hours	8–30 hours	14 hours after end of estrus
Bitch	180	24		21–28 days		
Cat	*120			3–12 days		

Tables of Measures

Apothecaries

1 scruple=20 grains
1 dram=3 scruples
1 ounce=8 drams
1 pound=12 ounces

Avoirdupois

1 pound=16 ounces
1 hundredweight=100 pounds
1 ton=20 hundredweight=2000 pounds
1 long ton=2240 pounds

Cubic Measure

1 cubic foot=1728 cubic inches
1 cubic yard=27 cu. feet
1 register ton (shipping measure)=100 cubic feet
1 U. S. shipping ton=40 cu. ft.
1 cord=128 cubic feet
1 U. S. liquid gallon=4 quarts=231 cubic inches
1 imperial gal.=1.20 U. S. gals.=0.16 cubic feet
1 board foot=144 cubic inches

Dry Measure

2 pints .....=1 quart (qt.)
4 quarts .....=1 gallon (gal.)
2 gallons or 8 quarts .....=1 peck
4 pecks .....=1 struck bushel

Household Measures

120 drops water=1 teaspoon
60 drops thick fluid=1 teaspoon
2 teaspoons=1 dessertspoon
3 teaspoons=1 tablespoon
16 tablespoons=1 cup
1 cup=½ pt.
1 cup water=½ lb.
4 tablespoons flour=1 oz.
2 tablespoons butter=1 oz.
3 teaspoons soda=½ oz.
4 teaspoons baking powder=½ oz.
2 cups granulated sugar=1 lb.
2½ cups confectioners' sugar=1 lb.
2½ cups wheat flour=1 lb.
3½ cups whole wheat flour=1 lb.
2½ cups buckwheat flour=1 lb.
5⅓ cups coffee=1 lb.
6½ cups tea=1 lb.
2 cups lard=1 lb.
2 cups butter=1 lb.
2 cups corn meal=1 lb.
2 cups powdered sugar=1 lb.
2 cups brown sugar=1 lb.
2 cups raisins=1 lb.
2 cups currants=1 lb.
9 eggs=1 lb.

Linear Measure

1 foot=12 inches
1 yard=3 feet
1 rod=5½ yards=16½ feet
1 mile=320 rods=1760 yards=5280 feet
1 nautical mile=6080 feet
1 knot=1 nautical mile per hour
1 furlong=⅛ mile=660 feet=220 yards
1 league=3 miles=24 furlongs
1 fathom=2 yards=6 feet
1 chain=100 links=22 yards
1 link=7.92 inches
1 hand=4 inches
1 span=9 inches

Liquid Measure

4 gills=1 pint (O.)
2 pints=1 quart (qt.)
4 quarts=1 gallon (gal.)
63 gallons=1 hogshead (hhd.)
2 hogsheads=1 pipe or butt
2 pipes=1 tun

Square Measure

1 square foot=144 square inches
1 sq. yard=9 sq. feet
1 sq. rod=30¼ sq. yards=272¼ sq. feet
1 acre=160 sq. rods=43560 sq. ft.
1 sq. mile=640 acres=102400 sq. rods
1 sq. rod=625 square links
1 sq. chain=16 square rods
1 acre=10 square chains

Troy

(Used in weighing gold, silver, jewels)

1 pennyweight=24 grains
1 ounce=20 pennyweight
1 pound=12 ounces

Metric

1 inch=2.54 centimeters
1 meter=39.37 inches
1 yard=0.914 meters
1 mile=1609 meters=1.61 kilometers
1 sq. inch=6.45 sq. cm.
1 sq. yard=0.84 sq. m.
1 sq. mile=2.59 sq. km.
1 acre=0.40 hektars
1 cu. yard=0.76 cubic meters
1 cu. meter=1.31 cubic yards
1 liter=1.06 U. S. liquid quarts
1 hektoliter=100 liters=26.42 U. S. liquid gallons
1 U. S. liquid quart=0.94 liters
1 U. S. liquid gallon=3.76 liters
1 metric ton=1000 kilograms
1 kilogram=2.20 pounds
1 pound avoirdupois=0.45 kilograms

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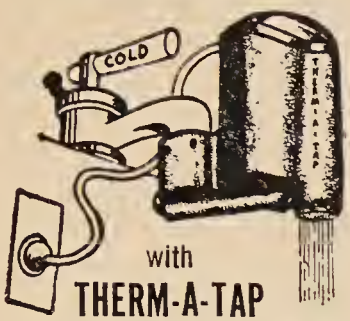

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2. Mail your watch to us for FREE examination and estimate. Repair costs will be sent by return mail.

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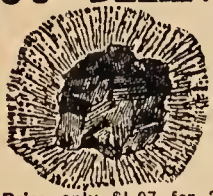

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THE BIRTHPLACE OF OUR VEGETABLES

Potatoes came from far Virginia;
Parsley was sent us from Sardinia;
French beans, low grown on the earth,
To distant India trace their birth;
But scarlet runners, gay and tall,
That climb upon your garden wall—
A cheerful sight to all around—
In South America were found.
The onion traveled here from Spain;
The leek from Switzerland we gain,
Garlic from Sicily obtain.
Spinach in far Syria grows;
Two hundred years ago or more,
Brazil the artichoke sent o'er,
And Southern Europe's sea coast shore
Beet root on us bestows.
When 'Lizabeth was reigning here
Peas came from Holland and were dear.
The south of Europe lays its claim
To beans, but some from Egypt came.
The radishes both thin and stout,
Natives of China are, no doubt;
But turnips, carrots, and sea kale,
With celery so crisp and pale,
Are products of our own fair land;
And cabbages—a goodly tribe
Which abler pens might well describe—
Are also ours, I understand.

AMICUS.

—Goldthwaite's Geographical Magazine

COST OF THE BIBLE

'Tis very vain for me to boast
How small a price my Bible cost:
The Day of Judgement will make it clear
'Twas very cheap or very dear.

Auth. Unk.

POSTAL RATES.—DOMESTIC

July 1, 1952

Domestic rates were omitted from the 1952 Edition as changes were being made which were not available until after our deadline. These rates are in effect for 1953 as far as we can ascertain.

First Class Matter may be forwarded from one Postoffice to another without additional postage but other matter must have new postage.

LETTERS AND POSTAL CARDS. — FIRST CLASS.

Letters and Written and Sealed Matter, 3 cents for each ounce, local and non-local, except that drop letters are subject to 2 cents for each ounce when deposited for local delivery at offices not having letter-carrier service, provided they are not collected or delivered by rural or star-route carriers.

Postcards and Private Mailing Cards (not larger than 3⅛ by 5⅛)..... .02

Government Postal Cards, each..... .02

Stamped 3 cent Envelopes, one, 4 cents; 25 small, 87 cents; 25 large, 92 cents.

Business Reply Cards, 3 cents. **Business Reply Envelopes,** 4 cents each.

NEWSPAPERS AND PERIODICALS. — SECOND CLASS.

Entire Newspapers or Magazines containing notice of second class entry when mailed by public unsealed, 2 cents for 1st two ounces, 1 cent each added ounce. Fourth Class Rate applies when it is lower than Second Class.

MERCHANDISE AND MISCELLANEOUS. — THIRD CLASS.

(Limit of weight 8 ounces.)

Merchandise, incomplete copies of newspapers, printed and other mailable matter, unsealed, 2 cents for first two ounces, 1 cent for each additional ounce.

Identical pieces of third-class matter may be mailed under permit in bulk lots of not less than either 20 pounds or 200 pieces, at the rate of 14 cents a pound, or fraction thereof. In case of circulars, miscellaneous printed matter, and merchandise, 10 cents a pound, or fraction thereof, in the case of books or catalogs having 24 pages or more, seeds, plants, etc., with a minimum charge of 1½ cents a piece in either case. Apply to postmaster for permit. The bulk mailing fee is $10 per calendar year.

Minimum charge for pieces of odd size or form, 3 cents.

Books, catalogues mailed in packages not exceeding 8 oz. in weight (must be of 24 or more pages and substantially bound, with at least 22 pages printed, seeds, cuttings, bulbs, roots, scions and plants, 2 ounces or fraction 2 cents, each added ounce 1½ cents.

Circulars and other miscellaneous printed matter, also merchandise, 2 cents for the first 2 ounces and 1 cent for each additional ounce. Limit eight ounces.

Catalogs and Similar Printed Advertising Matter, in bound form having 24 or more pages, weighing over 8 ounces but not exceeding 10 pounds.

ZONES	Local	1st and 2nd	3rd	4th	5th	6th	7th	8th
1st Lb.	10c	11c	12c	13c	15c	16c	17c	18c
Each Add. Lb.	1½c	2½c	3c	4c	5½c	7c	9c	11c

Exception: 1st or 2nd zone, where shortest regular mail route is 300 miles or more, third class rate applies.

Books: 8 cents for the first pound or fraction thereof and 4 cents for each additional pound or fraction thereof—24 or more pages permanently bound, not to exceed 70 pounds in weight. May include 1 or 2 pages only incidental advertising.

Library Books: 4 cents for the first pound or fraction thereof and 1 cent for each additional pound or fraction thereof—limit of weight 70 pounds—when sent by public libraries, organizations, or associations not organized for profit for delivery in 1st three zones or within state where mailed.

PARCEL POST. — FOURTH CLASS.

(For Zone consult Post Office)

Everything over 8 ounces, including books and printed matter, except First Class and newspapers and other periodicals entered as Second Class matter mailed by the publishers:—

Weight Limits: 72 lbs. and 100 inches combined length and girth—except between 1st Class postoffices (Postmaster has list) where limits are: In zones 1 and 2, 40 lbs. with 72 inch combined length and girth, other zones 20 lbs. and 72 inch combined length and girth.

Weight in Pounds	LOCAL	1-2 Up to 150 miles	3 150 to 300 miles	4 300 to 600 miles	5 600 to 1000 miles	6 1000 to 1400 miles	7 1400 to 1800 miles	8 Over 1800 miles
1	$0.15	$0.17	$0.17	$0.19	$0.21	$0.23	$0.25	$0.27
2	.17	.20	.21	.24	.28	.33	.37	.41
3	.18	.22	.24	.29	.35	.42	.48	.55
4	.19	.25	.28	.34	.42	.51	.60	.69
5	.20	.27	.31	.38	.48	.60	.71	.83
6	.22	.29	.35	.43	.55	.70	.83	.97
7	.23	.32	.38	.48	.62	.79	.94	1.11
8	.24	.34	.42	.53	.69	.88	1.06	1.25
9	.25	.37	.45	.57	.75	.97	1.17	1.39
10*	.27	.39	.49	.62	.82	1.07	1.29	1.53
11	.28	.41	.52	.67	.89	1.16	1.40	1.67
12	.29	.44	.56	.72	.96	1.25	1.52	1.81
13	.30	.46	.59	.76	1.02	1.34	1.63	1.95
14	.32	.49	.63	.81	1.09	1.44	1.75	2.09
15	.33	.51	.66	.86	1.16	1.53	1.86	2.23
20	.39	.63	.84	1.10	1.50	1.99	2.44	2.93

(Continued on Page 98)

POSTAL RATES (Continued from Page 97)

SPECIAL CLASSES. — DOMESTIC MAIL.

Special Delivery: First Class Mail: Each piece under 2 lbs.—20c; over 2 up to 10—35c; over 10 lbs.—50c.
Parcel Post: Up to 2 lbs.—35c; over 2 up to 10—45c; over 10 lbs.—60c.
Special Handling: Parcel Post only: Up to 2 lbs.—15c; over 2 lbs. up to 10—20c; over 10 lbs.—25c.
(This service expedites mail but does not include special delivery.)
Registered Mail: 30c minimum; up to $5.00 indemnity—40c; over $5.00 up to $25.00—55c; over $25.00 up to $50.00—65c; over $50.00 up to $75.00—75c; over $75.00 up to $100.00—85c.
There are special surcharges when declared values exceed indemnities—see local Postmaster about these.
Insured Mail: Third and Fourth Class Only: Indemnity up to $5.00—5c; over $5.00 up to $10.00—10c; over $10.00 up to $25.00—15c; over $25.00 up to $50.00—20c; over $50.00 up to $100.00—30c.
C.O.D.: Indemnities up to $5.00, registered or not—30c; over $5.00 up to $10.00—Registered 80c, Non Reg. 40c; over $10.00 up to $25.00—Reg. $1.10, Non Reg. 60c; over $25.00 up to $50.00—Reg. $1.10, Non Reg. 70c; over $50.00 up to $100.00—Reg. $1.40, Non Reg. 90c.
Money Orders: Limit for each is One Hundred Dollars. If amount of money order is from 1c to $5.00 the fee is 10c; from $5.01 to $10.00 the fee is 15c; from $10.01 to $50.00 the fee is 25c; from $50.01 to $100.00 the fee is 35c.

AIR MAIL: On United States Continent

Letters: Six cents per ounce. Postals four cents each.
Air Mail Parcel Post (Correspondence may be included in package). Weight limits and sizes same as Surface Mail.

	ZONES					
Weight	1, 2, 3	4	5	6	7	8
8 oz. up to 1 pound	$0.60	$0.65	$0.70	$0.75	$0.75	$0.80
Each added pound	.48	.50	.56	.64	.72	.80

POSTAL RATES.—FOREIGN

Letters.—For the places in the following list the postal rate is 3 cents each ounce or fraction. For all other foreign destinations, 5 cents first ounce and 3 cents each additional ounce or fraction: **Argentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, Guatemala, Haiti, Honduras (Republic), Mexico, Nicaragua, Panama, Paraguay, Peru, Philippines, Salvador, El; Spain and possessions; Uruguay, Venezuela.**

Post Cards.—Single post cards for places enumerated above 2 cents. Single post card for all other foreign destinations 3 cents. Maximum size 6x4¼ inches, minimum size 4x2¾ inches.

Printed Matter.—1½ cents for each two ounces or fraction thereof.

Eight-ounce Merchandise Packages.—Packages of merchandise weighing 8 ounces or less, for the countries named in the table above, except the Philippines, 2 cents for each 2 ounces. Do not seal. Mark—"May be Opened for Inspection."

Small Packets.—Three cents for each 2 ounces, with a minimum charge of 15 cents per packet. Limit of weight: 2 pounds, 3 ounces. Dimensions: Same as for letters. (Inquire at main office or classified stations for list of countries which accept small packets and mailing instructions.)

AIR MAIL: U.S. (Outside Continent) AND FOREIGN

A. 6 cents: (Per ounce) Canada, Mexico; Armed Forces or Civilian personnel with Army or Navy Postoffice addresses Continental United States, Alaska, Canal Zone. Canton Island, Guam, Hawaii, Puerto Rico, and U. S. Virgin Islands.

Aa. Postals and Post Cards:—4 cents each.

B. 8 cents: Cuba .08—½ oz.

C. 10 cents: Central and South America. West Indies, British and French Guiana, British Honduras, Surinam and Bermuda .10—½ oz.

D. 15 cents: Great Britain, Europe and other Islands in waters around it, U.S.S.R., Vatican City, Algeria, Egypt, Iceland, Libya, Morocco, Tunis, Turkey .15—½ oz.

E. 25 cents: All other localities .25—½ oz.
Weight limit is 4 lbs., 6 oz. except: Canada, 60 lbs.

F. Air-letter sheets, 10 cents each to any foreign country, on sale at all postoffices.

INTERNATIONAL PARCEL POST BY AIR

Because of the varying rates and conditions, as well as frequent changes, applicable to foreign countries, it is important that a qualified postal employee handle parcel post transactions. Weight limits vary from 11 to 44 lbs.

	1. Commercial Papers, Printed Matter, etc., Samples (Unsealed)		2. Packages	
From U. S. to:	First 2 oz.	Ea. Add'l 2 oz.	First 4 oz.	Ea. Add'l 4 oz.
England	$0.41	$0.20	$1.00	$0.41
France	.42	.21	1.22	.44
Belgium	.42	.21	.98	.43
Italy	.45	.24	1.08	.50
Sweden	.45	.24	.85	.49
Egypt	.52	.31	1.35	.64

WINTER LIGHTNING
Laconia, N.H. (AP)
Dec. 21, 1951

Tuesday night Alvin Davis, 36, of Laconia, during the height of a blinding snowstorm, was guiding his two-wheel plow along his driveway.

Suddenly there was a blinding flash of lightning and a roaring peal of thunder.

Davis fell to the ground, unconscious.

His son, Richard, 13, said his father asked for a glass of water and then slumped to the ground.

Richard called his mother and the two rubbed snow on the unconscious man until he regained consciousness.

At the town meeting held in Lynn, Mass., week before last, a resolution to introduce music into the town schools was rejected; also a resolution to petition for a city charter.—

March 29, 1847

The antiquity of the husbandman's art is not to be contested by any other. The first three men in the world, were a gardener, a ploughman, and a grazier; and if any man object that a second of these was a murderer, I desire he would consider, that as soon as he was so, he quitted our profession, and turned builder—

"God the first garden made, and the first city Cain."

1824

Start NYLON Club in Your Neighborhood

MAKE BIG MONEY FULL or SPARE TIME!

NYLONS GUARANTEED 9 MONTHS

CHEVROLET given as **EXTRA BONUS**

HOSE FOR OWN USE Sent With Outfit

MEN and WOMEN! Start a Wil-knit NYLON Club. Friends and neighbors give you orders for beautiful NYLONS — THEN, as members of your club, depending on quantity, they get new Nylons absolutely FREE, if their hose wear out, run, or even snag—**from any cause whatever**—within NINE MONTHS. Many have made exceptional earnings of $50.00 to $60.00 the first week—and more! I can also arrange to have a new Chevrolet delivered to you by your local dealer as a bonus—so you can drive around to call on your Club Members. Just send me your name on a postal card so I can send you all this money-making information . . . absolutely FREE. Please send your hose size. Do it NOW! Just mail postcard to me. **L. Lowell Wilkin,**

WIL-KNIT HOSIERY CO., A-12211 Midway, Greenfield, Ohio

HELP HELP!

NO ODOR!

The "house out back" calling! ActivO can cure it of unpleasantness. Just sprinkle over waste. Odors reduced or eliminated. Waste converted into ash-like fertilizer-humus. $2.59 size good for many months' treatment. . . . Helpful, too in septic tanks and cesspools. . . . ActivO also amazingly useful for making compost, activating soils and lawns, feeding potted plants, growing mushrooms, etc. . . . for many FARMING and GARDENING uses. Send for complete free details. Liberal-quantity size for 3 tons compost or energizing and CONDITIONING 10,000 lbs. soils, mulches, etc., only $6.99. Sizes at dealers, $1.00 and up. Time to use ActivO now. Get it today!

BENSON-MACLEAN

BOX 50 BRIDGETON, INDIANA

USE THIS ALMANAC ANYWHERE IN THE U. S. A.

The times given on the left hand calendar pages (12 to 34) are calculated (every astronomer must have some starting place) exactly for the latitude (42 deg. 22 min. north) and longitude of Boston and in EASTERN STANDARD TIME which is the time of the 75th meridian West of Greenwich, England.

To overcome the difficulties of presenting one almanac which shall be useful not only for the spot where the astronomer is standing but also for other places, it has been customary to present three or four extra latitude columns — which at best give but a small measure of the desired accuracy. The Old Farmer's Almanac adopted a unique, copyrighted system of its own some years ago whereby the times as given may be corrected for wherever you happen to live by the use of the Almanac Data tables on pages 104 and 105.

Opposite the times given on the left hand calendar pages (12–34) for each day in the year for the Rising and Setting of the Sun, Moon and Planets you will find a capitalised letter of the alphabet. Turning to pages 104 and 105 you will find columns for each of these letters as well as number of cities listed. If you live in one of those cities, simply read off the minus or plus number of minutes in the column under the alphabetical letter and correct the times given on pages 12–34. If your city is not listed, enter the corrections table on pages 104 and 105 in that section, the longitude of which is nearest your town's and, using your town's latitude, interpolate between the corrections shown for various latitudes for figures to insert in Columns A to Q for your town in the space below.

Modify these figures by four minutes for each degree of difference of longitude between the longitude of your town and the longitude of the table chosen as nearest it. Add this modification if your town's longitude is greater than the table's longitude, subtract it if it is lesser.

The net figures resulting from this modification will be those to use in correcting the Almanac figures for Boston to give the standard times for your town. The figure for insertion in the Moon column (☽) is derived by interpolating between longitudes to fit the longitude of your town. For examples, see next page.

	A m	B m	C m	D m	E m	F m	G m	H m	I m	J m	K m	L m	M m	N m	O m	P m	Q m	☽
YOUR TOWN																		
Lat.																		
Lo.																		

HOW TIMES ARE CONVERTED FOR YOUR TOWN

Sunrise and Sunset. The times of sunrise and sunset at Boston on April 11 are read directly from columns 4 and 6 on page 18. The key letters adjacent to these times, in columns 5 and 7, are indices to the table on page 104 whereby the times of sunrise and sunset at Boston are converted into those for other key cities, to wit:—

BOSTON			HOUSTON, TEXAS	
Sunrise	5.10	A.M.E.S.T.	Sunrise (Boston)	5.10 A.M.E.S.T.
Key Letter		G	Correction (Column G, page 105)	+:49
			Sunrise (Houston)	5:59 A.M.C.S.T.
Sunset	6:22	P.M.E.S.T.	Sunset (Boston)	6:22 P.M.E.S.T.
Key letter		K	Correction (Column K, page 105)	+:24
			Sunset (Houston)	6.46 P.M.C.S.T.

Sun Fast. The column headed "Sun Fast" is of primary use to sundial enthusiasts. The figures therein tell how fast on each day the time indicated by a *properly adjusted and graduated* sundial will be of the time indicated by a clock. On April 11 sun time in Boston will be 15 minutes Fast of Eastern Standard Time. The time indicated by a sundial located elsewhere than in Boston is converted to clock time by applying two corrections, the "Sun Fast" correction for Boston and that for the locality given in Column I of the table on page 104 or 105.

Length of Day. The figures in the column headed "Length of Day" give directly the length of time the Sun will be above the horizon at Boston. The length of day in other localities is found by subtracting the time of sunrise from that of sunset for each locality. (See *Sunrise and Sunset* above.)

BOSTON		HOUSTON, TEXAS	
Length of day (From calendar page 18, April 11.)	13h 12m	Sunset (Boston)	6:46 P.M.
		Sunrise (Boston)	5:59 A.M.
		Length of Day	12h 47m

Moonrise and Moonset. The procedure for finding the times of moonrise and moonset follows that for finding those of sunrise and sunset except that the constant additional correction taken from Column ☽ on pages 104, 105 must be applied.

BOSTON		HOUSTON	
Moonrise	3:43 A.M., E.S.T.	Moonrise (Boston)	3:43 A.M.
Key letter	J	Correction (Column J, page 105)	+:30
April 11		Correction (Column ☽, page 105)	+:04
Page 18		Moonrise (Houston)	4:17 A.M.,C.S.T.

Moon Souths. The time the moon souths in Boston is converted to the time it is due south in a locality other than Boston by applying the appropriate corrections from Columns I and ☽ on page 104.

BOSTON		HOUSTON	
Moon souths	9:45 A.M., E.S.T.	Moon souths (Boston)	9:45 A.M.
April 11		Correction (Column I, page 105)	+:37
Page 18		Correction (Column ☽, page 105)	+:04
		Moon souths (Houston)	10:26 A.M.,C.S.T.

The other information concerning the Moon contained on the left hand Almanac pages applies without correction throughout the United States.

Risings and Settings of the Planets. The times of the rising and setting of the naked eye Planets with the exception of Mercury are given for Boston in the table on page 5. The procedure for converting these times to those of other localities follows that for converting the times of sunrise and sunset given on page 100.

Dawn and Dark. The approximate times dawn will break and dark descend are found by applying the length of twilight taken from the table below to the times of sunrise and sunset given on the calendar pages. The latitude of the locality determines the column of the table from which the length of twilight is to be selected.

BOSTON (Latitude 42° 22′ N.)	April 11	HOUSTON, TEXAS (Latitude 28° 51′ N.)	
Sunrise	5:10 A.M.	Sunrise	5:59 A.M.
Subtract length of twilight (Column 4 of table)	1:39	Subtract length of twilight (Column 4 of table)	1:23
Dawn breaks	3:31 A.M.E.S.T.	Dawn breaks	4:36 A.M.C.S.T.
Sunset	6:22 P.M.	Sunset	6:46 P.M.
Add length of twilight	1:39	Add length of twilight	1:23
Dark descends	8:01 P.M.E.S.T.	Dark descends	8:09 P.M.C.S.T.

LENGTH OF TWILIGHT

Subtract from time of sunrise for dawn.
Add to time of sunset for dark.

Latitude	25°N to 30°N	31°N to 36°N	37°N to 42°N	43°N to 47°N	48°N to 49°N
	h m	h m	h m	h m	h m
Jan. 1 to Apr. 11	1 20	1 26	1 33	1 42	1 50
Apr. 11 to May 3	1 23	1 28	1 39	1 51	2 04
May 3 to May 15	1 26	1 34	1 47	2 02	2 22
May 15 to May 26	1 29	1 38	1 52	2 13	2 42
May 26 to July 23	1 32	1 43	1 59	2 27	—
July 23 to Aug. 4	1 29	1 38	1 52	2 13	2 42
Aug. 4 to Aug. 15	1 26	1 34	1 47	2 02	2 22
Aug. 15 to Sept. 6	1 23	1 28	1 39	1 51	2 04
Sept. 6 to Dec. 31	1 20	1 26	1 33	1 42	1 50

WEATHER TABLE,

For foretelling the Weather through all the lunations of each year, forever.

This table, and the accompanying remarks, are the result of many years' actual observation, the whole being constructed on a due consideration of the attraction of the sun and moon, in their several positions respecting the earth, and will, by simple inspection, show the observer what kind of weather will most probably follow the entrance of the moon into any of its quarters, and that so near the truth as to be seldom or never found to fail.

This weather table will answer very well for anywhere in the United States. It is taken from the 1849 issue of The Old Farmer's Almanac and was widely used before the advent of the Weather Bureau.

The weather forecasts as given on the right hand pages of the Farm Calendars on pages 13 through 35 are strictly for Boston and East of the Hudson River. These forecasts contain elements which rise in the proximity of this region to the sea and to the paths of tropical storms. The application of these forecasts to middlo western, western, and southern regions will not bring any reasonable degree of accuracy. However, for a rough rule of thumb if you insist on using the forecast on pages 13–35, you may subtract ono day for each time zone West of the Hudson to compensate for the Easterly path of continental storms. For every hundred miles north or south of 42 degrees latitude, add a five degree temperature (colder if north, warmer if south) differential and for every 1000 feet above sea level consider your locality as five degrees cooler than the weather as given.

WEATHER TABLE FOR ANYWHERE

Moon	Time of Change	In Summer	In Winter
If the new moon, 1st quarter, full moon, or last quarter happens.	From Midnight to 2 A.M.	Fair	Hard frost, unless wind be S. or W.
	From 2 A.M. to 4 A.M.	Cold, with frequent showers	Snow and stormy
	From 4 A.M. to 6 A.M.	Rain	Rain
	From 6 A.M. to 8 A.M.	Wind and Rain	Stormy
	From 8 A.M. to 10 A.M.	Changeable	Cold Rain if wind be W.; Snow if E.
	From 10 A.M. to Noon	Frequent Showers	Cold & high wind.
	From Noon to 2 P.M.	Very rainy	Snow or rain.
	From 2 P.M. to 4 P.M.	Changeable	Fair & mild.
	From 4 P.M. to 6 P.M.	Fair	Fair.
	From 6 P.M. to 8 P.M.	Fair — if wind N.W. Rain — if S. or S.W.	Fair & frosty if wind N. or N.E.; Rain or snow if wind S. or S.W.
	From 8 P.M. to 10 P.M.	Same as from 6 P.M. to 8 P.M.	
	From 10 P.M. to Midnight	Fair	Fair & frosty.

Observations. — 1. The nearer the moon's changes, first quarter, full, and last quarter are to *midnight*, the fairer will it be during the next seven days.

2. The space for this calculation occupies from ten at night till two next morning.

3. The nearer to *midday*, or *noon*, the phases of the moon happen, the more foul or wet weather may be expected during the next seven days.

4. The space for this calculation occupies from ten in the forenoon to two in the afternoon. These observations refer principally to the summer, though they affect spring and autumn nearly in the same ratio.

5. The moon's change, first quarter, full and last quarter, happening during six of the afternoon hours, i.e., from four to ten, may be followed by fair weather; but this is mostly dependent on the *wind*, as is noted in the table.

6. Though the weather, from a variety of irregular causes, is more uncertain in the latter part of autumn, the whole of winter, and the beginning of spring, yet, in the main, the above observations will apply to those periods also.

7. To prognosticate correctly, especially in those cases where the *wind* is concerned, the observer should be within sight of a good *vane*, where the four cardinal points of the heavens are correctly placed.

The above table was originally formed by Dr. Herschell, and is now published with some alterations founded on the experience of Dr. Adam Clarke.

TO THE WEATHER-WISE

Dr. Foster, of Bruges, who is well known as a meteorologist, declares that, by journals of the weather kept by his grandfather, father, and himself, ever since 1767, to the present time, *whenever the new moon has fallen on a Saturday, the following twenty days have been wet and windy*, in nineteen cases out of twenty.

TIDE CORRECTIONS

To obtain the time and height of high water at any place, apply the differences in accordance with the sign given to the daily predictions for Boston (Commonwealth Pier). Where a value in the "height difference" column is preceded by an*, the height at Boston should be multiplied by this ratio.

	Time Difference h.m.	*Height Difference Ft.*
MAINE		
Augusta	+3 50	*0.4
Bangor	−0 05	+3.6
Bar Harbor	−0 33	+1.1
Boothbay Harbor	−0 20	−0.8
Eastport	−0 28	*1.9
Old Orchard	−0 10	−0.7
Portland	−0 10	−0.6
Stonington	−0 30	+0.2
NEW HAMPSHIRE		
Hampton	+0 15	−1.2
MASSACHUSETTS		
Fall River	−3 16	*0.5
Falmouth	−0 40	*1.1
Hyannisport	+0 45	*0.3
Lynn	+0 05	−0.2
Marblehead	−0 05	−0.3
Marion	−3 16	*0.4
Monument Beach	−3 06	*0.4
Nantasket	+0 10	+0.1
Nantucket	+0 50	*0.3
New Bedford	−3 21	*0.4
Oak Bluffs	+0 05	*0.2
Onset	−3 06	*0.5
Plymouth	0 00	+0.1
Provincetown	+0 15	−0.3
Scituate	−0 05	−0.5
Wellfleet	+0 20	+0.6
Woods Hole	−3 01	*0.2
RHODE ISLAND		
Block Island	−3 21	*0.3
Narragansett Pier	−3 31	*0.4
Newport	−3 31	*0.4
Providence	−3 11	*0.5
Watch Hill	−2 06	*0.3
CONNECTICUT		
Long Island Sound	−0 02	*0.7
New London	−1 47	*0.3
NEW YORK		
Coney Island	−3 00	*0.5
Long Beach	−3 57	*0.5
Long Island Sound	+0 08	*0.7
New York City	−2 50	*0.5
Ocean Beach	−3 57	*0.4
Southampton	−3 22	*0.3
NEW JERSEY		
Atlantic City	−3 57	*0.5
Bayside	−0 24	*0.6
Cape May	−3 37	*0.5
Ocean City	−3 17	*0.4
Seabright to Seaside Park	−3 44	*0.5
PENNSYLVANIA		
Philadelphia	+2 29	*0.5
DELAWARE		
Rehoboth	−3 37	*0.4
MARYLAND		
Baltimore	−4 25	*0.1
Ocean City	−3 57	*0.4
DISTRICT OF COLUMBIA		
Washington	−3 08	*0.3
VIRGINIA		
Norfolk	−1 54	*0.3
Virginia Beach	−3 14	*0.3
NORTH CAROLINA		
Beaufort	−2 59	*0.3
Carolina Beach	−3 30	*0.4
SOUTH CAROLINA		
Myrtle Beach	−3 45	*0.5
Charleston	−3 15	*0.5
GEORGIA		
St. Simon's Island	−2 51	*0.7
Savannah	−2 40	*0.8
Tybee Beach	−3 26	*0.8
FLORIDA		
Daytona	−3 20	*0.4
Fort Lauderdale	−2 15	*0.3
Jacksonville	−0 40	*0.1
Miami	−3 00	*0.3
Palm Beach	−3 20	*0.3
Port Everglades	−2 15	*0.3
St. Augustine	−2 20	*0.5
St. Petersburg	+3 58	*0.2
WASHINGTON		
Ilwaco	+1 44	−3.5
Port Townsend	+5 04	*0.5
Seattle	+5 37	−2.0
OREGON		
Astoria	+1 37	−3.3
Cape Arago	+1 19	−4.8
Yaquina Head	+1 12	−3.7
CALIFORNIA		
Catalina Island	−1 33	−5.9
Crescent City	+0 56	−5.0
Eureka	+1 20	−5.0
Long Beach	−1 37	−5.5
Monterey	−0 03	*0.4
Point Mendocino	+0 24	*0.4
San Diego	−1 35	−5.9
San Francisco	+0 59	*0.4
Santa Barbara	−1 19	−6.0
Santa Cruz	+0 08	*0.4

Example: The figures for Full Sea In Columns 11 and 12 of the left hand Almanac pages 12–34 are the times of high tide at Commonwealth Pier In Boston Harbor. The heights of these tides are given on the right hand pages 13–35. The heights are reckoned from Mean Low Water: each day has a set of figures—upper for the morning—and lower for the evening. Since Gulf ports are not beset with the tidal problems of ports on the open ocean, the conversion of the times of the tides at Boston to those of Miami is given by way of illustration.

See page 18, column 11.

BOSTON		MIAMI	
High Tide (from page 18) April 16	1.00 P.M.E.S.T.	High tide (Boston)	1.00 P.M.
		Correction above	−3.00
		High tide (Miami)	10.0 A.M.E.S.T.
Height (from page 19)	8.5 feet	Height (Miami) (8.5 x 0.3)	2.6 feet

ALMANAC DATA — ALL POINTS IN U.S.A.

TABLE FOR FINDING TIMES OF SUNRISE, SUNSET, MOONRISE, MOONSET, AND RISING AND SETTING OF PLANETS TO WITHIN 5 MIN. ACCURACY ANYWHERE IN U. S. A.

(See explanation on preceding pages 100 and 101.)

ZONES Lo.	Lat.		A m	B m	C m	D m	E m	F m	G m	H m	I m	J m	K m	L m	M m	N m	O m	P m	Q m	☽
Your Town: To find the corrections for your town, see instructions on page 100																				Moon
67°W	45°N	Eastport, Me.	−28	−27	−25	−23	−22	−20	−19	−17	−16	−14	−13	−11	−10	− 8	− 7	− 5	− 4	−1
69°W	45°N	Bangor, Me.	−21	−20	−18	−17	−15	−13	−12	−11	− 9	− 8	− 6	− 4	− 3	− 2	0	2	3	0
69°W	44°	Rockland, Me.	−16	−15	−14	−13	−12	−11	−10	− 9	− 8	− 7	− 6	− 5	− 4	− 3	− 2	− 1	0	0
71°W	45°N	Rangeley, Me.	−14	−13	−11	− 9	− 8	− 6	− 5	− 3	− 2	0	1	3	4	6	7	9	10	0
71°W	43°	Portsmouth, N.H.	− 4	− 3	− 3	− 3	− 2	− 2	− 2	− 1	− 1	− 1	0	0	1	1	1	1	1	0
71°W	41°	Newport, R.I.	5	5	4	4	3	3	2	1	1	0	0	0	− 1	− 2	− 2	− 3	− 3	0
73°W	45°N	St. Albans, Vt.	− 4	− 3	− 1	1	2	4	5	7	8	10	11	13	14	16	17	19	20	0
73°W	43°	Bennington, Vt.	2	2	2	3	3	3	4	4	4	4	5	5	5	5	6	6	6	0
73°W	41°	New Haven, Conn.	13	12	11	11	10	9	9	8	7	7	6	6	5	4	3	3	2	0
75°W	45°N	Massena, N.Y.	3	5	6	8	10	11	13	14	15	17	19	20	22	23	25	26	28	1
75°W	43°	Utica, N.Y.	14	14	15	15	15	16	16	16	17	17	17	18	18	18	19	19	19	1
75°W	41°	Stroudsburg, Pa.	23	22	21	20	20	19	18	17	16	16	15	14	13	12	11	10	9	1
75°W	40°	Philadelphia, Pa.	28	26	25	23	22	21	19	18	17	15	14	13	11	10	8	7	6	1
75°W	36°	.....	42	39	36	32	29	25	22	19	16	12	8	5	2	− 1	− 5	− 8	−11	1
80°W	44°N	Toronto, Canada	27	28	29	30	31	31	32	33	33	34	35	36	37	37	38	39	39	1
80°W	40°	Pittsburgh, Pa.	44	43	42	41	40	39	38	36	35	34	33	32	31	30	29	27	26	1
80°W	36°	Greensboro, N.C.	61	59	56	52	49	45	42	38	35	31	28	25	22	18	15	11	8	1
80°W	32°	.....	75	72	67	61	56	51	46	41	36	30	25	20	15	10	5	0	− 5	1
80°W	30°	Jacksonville, Fla.	82	78	72	66	61	55	49	43	36	31	24	18	12	6	0	− 6	−10	1
80°W	26°	Miami, Fla.	94	89	82	74	67	59	52	44	37	29	21	14	6	− 1	− 8	−16	−23	1
85°W	44°N	Cadillac, Mich.	49	50	51	52	53	54	55	56	57	59	60	61	62	63	64	65	66	2
85°W	40°	Dayton, Ohio	65	63	62	60	59	57	55	54	52	51	49	48	46	45	43	42	41	2
85°W	36°	*Knoxville, Tenn.	78	75	72	68	65	61	58	55	52	48	44	41	38	35	31	28	25	2
85°W	32°	Columbus, Ga.	93	90	85	80	75	70	65	60	56	51	46	40	35	30	26	21	17	2
85°W	30°	Tallahassee, Fla.	97	93	88	82	76	70	64	58	52	46	40	34	28	23	18	12	7	2
90°W	48°N	Grand Portage, Mich.	−14	−10	− 7	− 3	1	4	8	12	15	17	22	26	30	33	37	41	46	3
90°W	44°	Stevens Point, Wis.	4	5	6	7	8	10	11	12	13	14	16	17	18	19	21	22	23	3

Eastern Standard Time

Central Standard Time	90°W	40°	Springfield, Ill.	26	25	24	22	21	19	18	16	15	13	11	10	9	7	5	4	3	3
	90°W	36°	Memphis, Tenn.	44	41	38	34	30	27	23	19	16	11	8	4	1	− 3	− 7	−11	−14	3
	90°W	32°	Jackson, Miss.	55	52	47	42	36	31	26	21	17	10	5	0	− 4	−10	−14	−18	−23	3
	90°W	30°	New Orleans, La.	61	57	52	46	39	33	27	21	16	8	2	− 4	− 9	−15	−21	−26	−31	3
	95°W	48°N	Bemidji, Minn.	10	12	15	19	22	26	29	32	35	39	42	45	48	52	55	58	63	4
	95°W	44°	Windom, Minn.	30	30	31	32	33	34	35	36	36	37	38	39	40	41	42	42	43	4
	95°W	40°	St. Joseph, Mo.	47	46	44	42	41	39	38	36	35	33	32	30	29	27	26	24	23	4
	95°W	36°	Wagner, Okla.	63	61	58	54	51	47	44	40	37	33	30	27	24	20	17	13	10	4
	95°W	32°	Tyler, Texas	75	71	67	61	56	51	46	41	36	30	25	20	16	11	6	1	− 3	4
	95°W	30°	Houston, Texas	83	79	74	68	61	55	49	42	37	30	24	17	11	6	0	− 5	−10	4
	95°W	26°	.....	93	88	81	73	65	58	50	42	36	27	19	12	4	− 3	−10	−17	−23	4
	100°W	48°N	Rugby, N.D.	26	31	35	38	43	46	51	54	58	62	66	70	74	78	82	86	92	4
	100°W	44°	Pierre, S.D.	48	49	50	52	53	54	55	56	57	59	60	61	62	64	65	66	67	4
	100°W	40°	*McCook, Neb.	68	67	66	64	63	62	60	59	58	57	55	54	53	52	50	49	48	4
	100°W	36°	Woodward, Okla.	78	76	72	69	66	63	59	56	53	50	46	43	41	37	34	31	28	4
	100°W	32°	Abilene, Texas	92	88	84	79	74	68	63	58	53	48	43	38	34	29	24	20	15	4
	100°W	28°	Laredo, Texas	106	102	95	88	81	74	67	60	54	45	39	31	25	18	11	6	− 1	4
Mountain Standard Time	105°W	48°N	Sidney, Mont.	−15	−12	− 8	− 5	− 1	3	6	9	12	16	20	23	26	30	34	37	42	5
	105°W	44°	Newcastle, Wyo.	6	6	7	8	9	10	11	12	12	13	14	15	16	17	18	18	19	5
	105°W	40°	Denver, Colo.	28	26	25	23	22	20	19	17	16	14	12	11	10	8	6	5	4	5
	105°W	36°	Las Vegas, N.Mex.	44	41	38	34	31	27	23	20	17	12	8	5	2	− 1	− 5	− 9	−12	5
	105°W	32°	Carlsbad, N.Mex.	51	47	42	37	32	27	22	17	13	7	0	− 3	− 8	−13	−17	−22	−26	5
	105°W	28°	Chihuahua, Mexico	70	65	59	53	46	39	33	26	20	12	6	− 1	− 7	−14	−19	−25	−31	5
	112°W	48°N	Great Falls, Mont.	15	18	21	25	28	32	35	38	41	45	48	51	54	58	61	64	69	6
	112°W	44°	Madison, Idaho	36	37	38	39	40	41	41	42	43	44	45	46	47	47	48	49	50	6
	112°W	40°	Provo, Utah	53	52	50	49	47	46	45	44	43	41	40	39	38	36	35	33	32	6
	112°W	36°	Flagstaff, Ariz.	71	68	65	61	57	53	49	46	42	38	34	31	27	24	20	16	13	6
	112°W	32°	Tucson, Ariz.	78	75	70	65	60	54	49	44	39	34	29	24	19	14	9	5	0	6
Pacific Standard Time	117°W	48°N	Spokane, Wash.	−23	−19	−16	−12	− 9	− 5	− 2	2	5	9	12	16	19	22	26	29	35	7
	117°W	44°	Baker, Ore.	− 4	− 3	− 1	1	2	3	5	6	7	8	10	11	12	13	14	16	17	7
	117°W	40°	Austin, Nev.	17	15	14	12	10	9	7	6	4	2	1	− 1	− 3	− 4	− 6	− 8	− 9	7
	117°W	36°	Ballarat, Cal.	31	28	25	21	18	15	11	8	5	1	− 2	− 6	− 9	−12	−16	−19	−23	7
	117°W	32°	San Diego, Cal.	44	38	34	29	24	19	14	9	4	− 1	− 6	−11	−16	−21	−26	−30	−35	7
	123°W	49°N	Bellingham, Wash.	− 8	− 3	1	5	10	14	18	22	26	30	35	39	43	47	52	56	62	8
	123°W	46°	Astoria, Ore.	12	14	17	19	22	24	27	29	31	34	36	38	41	43	45	48	51	8
	123°W	42°	Medford, Ore.	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	8
	123°W	38°	San Francisco, Cal.	45	43	41	38	36	33	30	28	25	23	20	18	16	13	10	8	6	8
	123°W	34°	.....	61	57	53	49	45	40	36	32	28	23	19	15	10	6	2	− 3	− 6	8

* The correction figures given for Knoxville and McCook yield standard times one hour fast of those normally used there.

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GLOSSARY OF ASTRONOMICAL TERMS, ETC.

An. Ecl. . . . see Eclipse, Annular.
Aph. — Aphelion . . . Planet revolving about Sun reaches point in its orbit farthest away from the Sun.
Apo. — Apogee . . . Moon reaches point in its orbit farthest from Earth.
Appulse . . . if during eclipse Moon passes only through the penumbra.
Aspect . . . description of the relative position of two or more bodies in the solar system. These are described by signs, etc., on the calendar pages thus ☌ ☍ ♃, etc. By consulting the meaning of the signs and aspects on page 11, you will arrive at the meaning for the "sign language" used on pages 12-35, viz., Conjunction (☌) of Mars (♂) and the Jupiter (♃) occurs on this day. (See par. 2, page 11.)
Conj. — conjunction . . . moment of closest approach to each other of any two heavenly bodies.
conscr. . . . consecrated.
declination (see top left hand calendar pages) . . . measure of angular distance any celestial object lies perpendicularly north or south of celestial equator. Exactly analogous to terrestrial latitude. OFA gives declination at time each day the Sun is due South.
Dominical Letter . . . used in reckoning civil calendars.
Eclipse . . . conjunction or opposition of sun and moon occurs with moon at or near a node.
Eclipse, annular . . . when sunlight shows around the Moon during the eclipse.
Eclipse, lunar . . . opposition of Sun and Moon with moon at or near node.
Eclipse, solar . . . conjunction of Sun and Moon with Moon at or near node.
Ecliptic . . . that circle in which the plane of the orbit of the Earth about the Sun would if extended cut the celestial sphere — or the apparent path of the Sun in the sky in a year due to the Earth's revolution about the Sun each year.
El. — elongation . . . apparent angular distance of a member of the solar system from the Sun as seen from the Earth.
Epact . . . used in reckoning ecclesiastical calendars, age of calendar moon Jan. 1.
Eq. . . . equator.
Equinox, autumnal . . . Sun passes from northern to southern hemisphere. Fall.
Equinox, vernal . . . sun passes from southern to northern hemisphere. Spring.
E.S.T. . . . Eastern Standard Time.
Full Sea (Morn and Eve) . . . the time the tide is high in the morning and in the evening at Commonwealth Pier, Boston. A correction table in the OFA also adjusts this time for other places. (See page 100.)
Gr. El. . . . greatest elongation.
Geocentric . . . measure of celestial longitude and latitude when observer is at center of the Earth.
Golden Number . . . used in reckoning civil calendars.
Hellocentric . . . measure of celestial longitude and latitude when observer is at center of the Sun.
Inf. — Inferior . . . Inferior conjunction is when the Planet is between the Sun and the Earth.
Julian Period . . . First year was 4713 B.C. Its length is 7980 years.
Key . . . columns of letters marked thus refer to correction table on page 103-107 so that the times given may be adjusted to localities other than Boston.
Lat. — latitude.
Moon's Age . . . average time elapsing between new moons (max. 29½ days). Calculated when Moon is due South.
(☽) First Quarter . . . moon in quadrature East or one half of the side of the moon toward the earth is illuminated.
(○) Full Moon . . . moon reaches opposition.
(☾) Last Quarter . . . moon in quadrature West.
(●) New Moon . . . Sun and Moon in conjunction.
Moon's Phases . . . Aspects of Moon and Sun.
Moon's Place . . . Moon's position in the Zodiac when due South or which "sign" it is in. See page 11 — par. 3.
Moon Rise and Set . . . as used in the OFA apply only to risings and settings between sunset and sunrise . . . or during the night.
Moon Runs High or Low . . . day of month Moon Souths highest or lowest above the horizon.
Moon Souths : . . Moon exactly above South point of observer's horizon.
Node . . . when a Planet or Moon in its motion crosses the ecliptic.
Node, Ascending . . . Planet or Moon crosses ecliptic from South to North.
Node, Descending . . . Planet or Moon crosses ecliptic from North to South.
Occultations . . . eclipses of Stars by the Moon.
Opposition . . . time when Sun, and Moon or Planet appear on opposite sides of the sky (elongation 180 degrees).
O.S. — Old Style . . . was when calendar was eleven days "out of whack." In September, 1752, the 3rd was reckoned as the 14th, to make present calendar.
Penumbra . . . concentric area of partial shadow around the umbra.
Peri. — Perigee . . . Moon reaches point in its orbit closest to Earth.

GLOSSARY (*Continued*)

Peri. — Perihelion . . . Planet revolving about the Sun reaches point in its orbit closest to Sun.
Quadrature . . . Moon or Planet lies a quarter turn of the sky from the Sun.
R.A. — Right Ascension . . . the measure Eastward along the celestial equator of any celestial body from the vernal equinox to the point where the circle which passes through the object perpendicular to the celestial equator intersects the latter.
Rain . . . drops large enough to splatter on the old man's bald head.
Roman Indiction . . . used in reckoning ecclesiastical calendars.
Snow . . . when a cat's tracks are visible on the barn roof.
Solar Cycle . . . used in reckoning civil calendars.
Solstice, Summer . . . point at which the Sun is farthest north of the celestial equator, passing overhead on the Tropic of Cancer. Beginning of Summer.
Solstice, Winter . . . limit of Sun's journey south of the celestial equator, passing overhead on the Tropics of Capricorn. Beginning of Winter.
Star, Evening . . . above horizon at Sunset.
Star, Morning . . . above horizon at Sunrise.
Stat. — stationary . . . when the apparent movement of a Planet against the background of Stars stops — just before same comes to opposition.
Sunrise and Sunset . . . visible rising and setting of Sun's upper limb across the unobstructed horizon of an observer whose eyes are 15 feet above ground level.
Sun Fast . . . the times given in this column must be subtracted from your Sun Dial to arrive at the correct time.
Sup. — Superior . . . Superior Conjunction is when the Sun is between the Planet and the Earth.
Twilight . . . begins or ends when stars of the sixth magnitude disappear or appear at the Zenith — or the Sun is appr. 18 degrees below the horizon.
Umbra . . . deep shadow through which the Moon passes during eclipse.
Underground Moon . . . one which changes its phases between 12 M. and 1 A.M.
Weather Indications . . . in italics on the right hand calendar pages indicate the weather over, as a rule, three or four days time as shown by the spread of the words down the page.
Zenith . . . point in heavens directly over observer's head.
Zodiac . . . sixteen degree sky road outside of which moon and planets never wander. It is divided into twelve equal divisions called the Signs of the Zodiac. and forms much of the basis of some astrology — and superstition. See page 11 — par. 3 and page 37.

ANSWERS TO WORD CHARADES ON PAGE 80

1. Bayonet	5. Rattlesnake	9. Penmanship	13. Telegram
2. Civil	6. Con-tent	10. Grandson	14. Ramrod
3. Fire-lock	7. Level	11. Semi-circle	15. Worsted
4. Man-kind	8. Latin	12. Penmanship	16. Skylark

ANSWERS TO OLD-FASHIONED PUZZLES ON PAGE 82

Conundrums

1. The post-man. 2. A conundrum. 3. Author-ship. 4. A cast-a-net. 5. With a 3-foot rule. 6. The fin-is.

Riddles

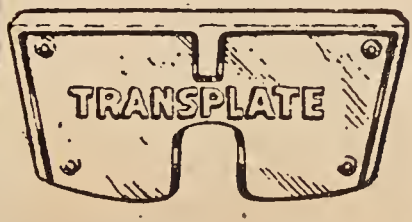
1. Hose. 2. Postage stamps.

Problems

1. Six rings. 2. Twenty-four rods. 3. Five feet.

Anagrams

1. Bless-ing. 2. Nomad. 3. March-Charm. 4. Melons-Lemons-Solemn.



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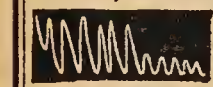

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Cypher Contest Winners

Winners of the contest announced page 110 of the 1952 OFA were Lavina Thomas, Oakland, Maine (1st), Rita Huff, No. Edgewood, Maine (2nd), Doris Gallant, Searsport, Maine (3rd). It took an enlarging glass to see the key was 39–32 which referred to Page 39, line 32.

For this year, the money goes (1st, $25.00—2nd, $15.00—3rd, $5.00) for the best one line rhyme to the solution of Cypher 72-2-2. Contest closes Aug. 15, 1953. No entries returned . . . all become property of Yankee, Inc. Case of tie place money lumped and divided. Staff of YANKEE final judge. Winners announced 1954 OFA. Address Cypher Contest, Yankee, Inc., Dublin, N. H.

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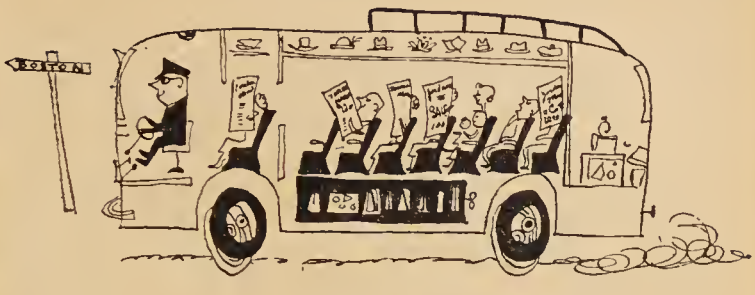

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VANISHING AMERICAN.

For the first time in history, horse population of the USA has dropped below the five million mark. Old Dobbin here in Scollay Square, Boston, seems unconcerned.

CATERPILLAR THREAT.

E. J. Courteau, Range Editor of the Hibbing, Minnesota Daily Tribune, reported an invasion during the Spring of 1952 of trillions upon trillions of forest tent caterpillars upon his state. Foliage was stripped from every tree in a 13 million acre area. Garden stuffs, bushes, fruit trees—all went. Enemy parasites keep the worm back except for once about every 15 to 17 years when the caterpillars outbreed them. Just before ending its life as a worm the caterpillar drops to the ground and starts a "march" in search of a place to pupate. In Minnesota this year, this "march" covered highways, railway tracks, interior and exterior house walls—and walks. The worms had to be shovelled and scooped away—cremated—for public safety and interest.

In the East, the problem is not as serious—but well could be. Minnesotans confess that local officials and residents, maintained the same do-nothing attitude about these pests

one now finds in the East. The caterpillar nuisance should be done away with before it is too late. In the meanwhile, America's great wheat belt brought forth in 1952 the greatest crop in history to push insect threats farther and farther into the hinterland. Photo above by Bob Taylor shows worker opening the flood gate of his truck so that the wheat from the fields is joined to huge reserves. (Telephoto of Eastern tent caterpillars by R.S.)

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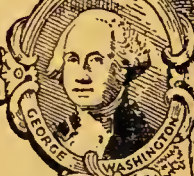

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